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EAUX DE SURFACE: ALBERTA

Surface Water Data

Alberta

Données sur les eaux de surface

1982

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1983

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1983

Canada

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

One of the primary roles of the Water Resources Branch, Environment Canada, is to maintain a systematic hydrometric survey program across the nation. This survey involves the measurement of the flow and level of water in rivers, streams and lakes, as well as compilation, analysis and publication of the data. During 1983 the Water Resources Branch will be celebrating 75 years of dedication and service to the hydrologic community.

The history of the hydrometric survey in Canada can be traced back to 1894 when some stream measurement was done in connection with irrigation surveys. However, it was not until 1908, when Parliament made its first specific appropriation for gauging streams and determining the water supply in southern Alberta and Saskatchewan, that the Hydrographic Survey was founded. The year 1911 saw the establishment of the Dominion Water Power Branch, which consolidated the hydrometric survey program already in operation for irrigation requirements, the water power investigation under way on the Winnipeg and Bow rivers, and the administration of water power on Dominion lands. In 1913 and subsequent years, arrangements were made with the provincial governments across Canada to continue the hydrometric survey program under the Dominion Water Power Branch, while passing the administration of nearly all water resources to the provinces.

In 1975 federal-provincial agreements were established which recognized that water quantity data may be collected to meet federal needs, provincial needs, or both. According to the agreements, the operation of the networks would be provided on a shared cost basis according to each party's needs.

The Dominion Water Power Branch has undergone numerous changes of name over the 75-year period, but a systematic program for the collection and publication of hydrometric data has remained. Today the program spans the nation, with data being collected at nearly 3500 different locations. The results are made available in annual publications and more recently, in a form suitable for computers. The program is being improved constantly to ensure a continued high calibre of service to the people of Canada.

L'une des principales fonctions de la Direction des ressources en eau d'Environnement Canada consiste à gérer un programme systématique de relevés hydrométriques partout au pays. Ces relevés comprennent la mesure du débit et du niveau de l'eau dans des cours d'eau et des lacs ainsi que le rassemblement, l'analyse et la publication des données. En 1983, la Direction des ressources en eau célébrera ses 75 ans de dévoués services aux hydrologistes.

Les premiers relevés hydrométriques au Canada remontent à 1894; on effectua alors certaines mesures dans des cours d'eau pour faire des relevés se rapportant à l'irrigation. Cependant, ce n'est qu'en 1908, année où le Parlement vota pour la première fois des crédits pour jauger des cours d'eau et calculer l'approvisionnement en eau dans le sud de l'Alberta et de la Saskatchewan, que les Relevés hydrographiques furent créés. L'année 1911 vit la mise sur pied des Services des forces hydrologiques du Dominion, qui réunissaient le programme déjà en cours de relevés hydrométriques à des fins d'irrigation, l'étude de l'aménagement hydro-électrique des rivières Winnipeg et Bow, qui était en cours, et la gestion des ressources hydro-électriques des terres du Dominion. En 1913 et au cours des années qui suivirent, des ententes furent conclues avec les gouvernements provinciaux en vertu desquelles le programme de relevés hydrométriques serait poursuivi sous l'autorité des Services des forces hydrologiques du Dominion, tandis que la gestion de presque toutes les ressources en eau irait aux provinces.

En 1975, les gouvernements fédéral et provinciaux conclurent des accords stipulant que des données sur le débit des eaux pouvaient être recueillies pour répondre aux besoins du fédéral ou des administrations provinciales, les coûts étant partagés entre chaque partie en proportion de ses besoins.

Les Services des forces hydrologiques du Dominion ont changé plusieurs fois de nom depuis 75 ans, mais il y a toujours eu un programme systématique de collecte et de publication des données hydrométriques. Aujourd'hui, le programme s'étend à tout le pays, et des données sont recueillies dans presque 3500 stations différentes. Les résultats paraissent dans des publications annuelles et, depuis quelque temps, ils sont présentés de façon à être traités par informatique. Le programme est amélioré pour que les Canadiens puissent profiter constamment d'un service de haute qualité.

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1982 calendar year, the results of the hydrometric survey investigations which were made in Alberta by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220–4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1982, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Alberta.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.–E.)
Calgary (Alberta)
T2P 2M7

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1982, the hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1982, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Agriculture, Research Branch.

Provincial – Alberta Forest Service;
Department of the Environment, Water Resources Branch, Alberta;
St. Mary-Milk River Development Commission, Alberta.

Municipal – City of Calgary, Alberta.

Private – Western Irrigation District;
Eastern Irrigation District;
United Irrigation District;
Lethbridge Northern Irrigation District;
Northern Transportation Company;
Syncrude Canada Limited;
TransAlta Utilities Corporation;
Canadian Utilities Limited;
North Western Pulp and Power Limited;
St. Mary River Irrigation District.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Direction de la recherche du ministère de l'Agriculture.

Niveau provincial – *Alberta Forest Service*,
Direction des ressources en eau du ministère de l'Environnement de l'Alberta,
St. Mary-Milk River Development Commission, Alberta.

Niveau municipal – Ville de Calgary, Alberta.

Secteur privé – *Western Irrigation District*,
Eastern Irrigation District,
United Irrigation District,
Lethbridge Northern Irrigation District,
Northern Transportation Company,
Syncrude Canada Limited,
TransAlta Utilities Corporation,
Canadian Utilities Limited,
North Western Pulp and Power Limited,
St. Mary River Irrigation District.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 5280 feet
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 640 acres

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 0.160 54 cubic foot
1 imperial gallon equals 4.546 09 L (litres)
1 U.S. gallon equals 0.133 68 cubic foot
1 imperial gallon equals 1.2010 U.S. gallons

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 5280 pieds
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre équivaut à 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 640 acres

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial équivaut à 0.160 54 pied cube
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon américain équivaut à 0.133 68 pied cube
1 gallon impérial équivaut à 1.2010 gallon américain

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 270 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 270 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every three years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les trois ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record to 1976 for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every three years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement allant jusqu'en 1976, pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiés dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les trois ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new biennial publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located in appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, B and E.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by Region, therefore data for a particular province may include fiche from two or more Regions. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, Region, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données.

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, B et E.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région. Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	4.37	1.14	0.164	1.18	0.292	0.233	---	---	1
2	---	---	0B	0 B	6.02	1.04	0.164	7.81	0.259	0.206	---	---	2
3	---	---	0B	0 B	7.05	1.08	0.291	11.5	0.225	0.192	---	---	3
4	---	---	0B	0 B	4.96	1.01	0.837	17.7	0.204	0.187	---	---	4
5	---	---	0B	0 B	2.78	0.959	2.07	8.05	0.219	0.166	---	---	5
6	---	---	0B	0 B	2.86	0.855	1.94	4.41	0.204	0.165	---	---	6
7	---	---	0B	0 B	2.52	0.774	1.34	2.90	0.177	0.160	---	---	7
8	---	---	0B	0 B	2.76	0.764	0.885	2.09	0.206	0.162	---	---	8
9	---	---	0B	0 B	2.95	0.718	0.691	1.60	0.261	0.154	---	---	9
10	---	---	0B	0 B	3.51	0.657	0.542	1.47	0.236	0.151	---	---	10
11	---	---	0B	0.004B	4.72	0.593	0.435	1.70	0.252	0.152	---	---	11
12	---	---	0B	0.012B	5.62	0.522	0.352	1.30	0.230	0.149	---	---	12
13	---	---	0B	0.021B	5.64	0.492	0.311	1.02	0.206	0.147	---	---	13
14	---	---	0B	0.030B	5.54	0.462	0.280	0.948	0.183	0.143	---	---	14
15	---	---	0B	0.042B	5.39	0.413	4.45	1.36	0.169	0.141	---	---	15
16	---	---	0B	0.051B	6.87	0.367	5.78	1.19	0.166	0.149	---	---	16
17	---	---	0B	0.062B	6.18	0.323	3.19	0.888	0.162	0.194	---	---	17
18	---	---	0B	0.073B	5.42	0.278	2.24	0.734	0.154	0.168	---	---	18
19	---	---	0B	0.087B	5.90	0.255	1.59	0.638	0.145	0.136	---	---	19
20	---	---	0B	0.107B	4.47	0.226	1.27	0.566	0.138	0.123	---	---	20
21	---	---	0B	0.176B	3.52	0.186	1.01	0.518	0.136	0.138	---	---	21
22	---	---	0B	0.323B	2.94	0.173	1.90	0.505	0.135	0.155	---	---	22
23	---	---	0B	0.932B	2.84	0.161	4.06	0.481	0.135	0.169	---	---	23
24	---	---	0B	1.02 B	2.39	0.153	3.17	0.476	0.140	0.188	---	---	24
25	---	---	0B	1.08 B	2.30	0.143	2.23	0.437	0.141	0.189A	---	---	25
26	---	---	0B	1.72 B	2.39	0.135	1.60	0.392	0.146	0.185E	---	---	26
27	---	---	0B	3.03 B	2.29	0.129	1.23	0.403	0.154	0.180E	---	---	27
28	---	---	0B	3.65 B	1.98	0.130	0.994	0.386	0.202	0.175E	---	---	28
29	---		0B	4.01	1.67	0.120	0.797	0.364	0.235	0.160E	---	---	29
30	---		0B	3.95	1.49	0.119	0.656	0.366	0.252	0.135E	---	---	30
31	---		0B		1.31		0.565	0.334		0.110E		---	31
TOTAL	---	---	0	20.380	120.21	14.357	47.038	73.716	5.764	5.062	---	---	TOTAL
MEAN	---	---	0	0.679	3.88	0.479	1.52	2.38	0.192	0.163	---	---	MEAN
MAX	---	---	0	4.01	7.05	1.14	5.78	17.7	0.292	0.233	---	---	MAX
MIN	---	---	0	0	1.31	0.119	0.164	0.334	0.135	0.110	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 17.7 ON AUG 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.4 AT 23:50 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 05 N
LONG 115 20 00 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 060
FEB	---	AUG	6 370
MAR	0	SEP	498
APR	1 760	OCT	437
MAY	10 400	NOV	---
JUN	1 240	DEC	---

TOTAL DISCHARGE, 24 800 dam³

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.003B	0.006	0.009	0	0	0	0	0	---	1
2	---	---	0 B	0.003B	0.006	0.007	0	0	0	0	0	---	2
3	---	---	0 B	0.004B	0.005	0.006	0	0	0	0	0A	---	3
4	---	---	0 B	0.004B	0.005	0.005	0	0	0	0	---	---	4
5	---	---	0 B	0.005B	0.005	0.004	0	0	0	0	---	---	5
6	---	---	0 B	0.005B	0.004	0.005	0	0	0	0	---	---	6
7	---	---	0 B	0.006B	0.005	0.005	0	0	0	0	---	---	7
8	---	---	0 B	0.006B	0.004	0.004	0	0	0	0	---	---	8
9	---	---	0 B	0.006B	0.003	0.002	0	0	0	0	---	---	9
10	---	---	0 B	0.007B	0.003	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.007B	0.004	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0.008B	0.004	0	0	0	0	0	---	---	12
13	---	---	0 B	0.008B	0.004	0	0	0	0	0	---	---	13
14	---	---	0 B	0.009B	0.004	0	0	0	0	0	---	---	14
15	---	---	0 B	0.010B	0.004	0	0	0	0	0	---	---	15
16	---	---	0 B	0.010B	0.005	0	0	0	0	0	---	---	16
17	---	---	0 B	0.010B	0.006	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.011B	0.007	0	0	0	0	0	---	---	18
19	---	---	0 B	0.012B	0.011	0	0	0	0	0	---	---	19
20	---	---	0 B	0.012B	0.011	0	0	0	0	0	---	---	20
21	---	---	0 B	0.013B	0.009	0	0	0	0	0	---	---	21
22	---	---	0.001B	0.013	0.007	0	0	0	0	0	---	---	22
23	---	---	0.001B	0.015	0.006	0	0	0	0	0	---	---	23
24	---	---	0.001B	0.013	0.005	0	0	0	0	0	---	---	24
25	---	---	0.001B	0.011	0.004	0	0	0	0	0	---	---	25
26	---	---	0.002B	0.009	0.002	0	0	0	0	0	---	---	26
27	---	---	0.002B	0.008	0.008	0	0	0	0	0	---	---	27
28	---	---	0.002B	0.007	0.008	0	0	0	0	0	---	---	28
29	---		0.002B	0.007	0.010	0	0	0	0	0	---	---	29
30	---		0.003B	0.006	0.014	0	0	0	0	0	---	---	30
31	---		0.003B		0.013		0	0		0		---	31
TOTAL	---	---	0.018	0.249	0.192	0.050	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.008	0.006	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.003	0.015	0.014	0.009	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.015 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.015 AT 13:50 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 54 N
LONG 110 30 30 W
DRAINAGE AREA, 591 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.56	SEP	0
APR	21.5	OCT	0
MAY	16.6	NOV	---
JUN	4.32	DEC	---

TOTAL DISCHARGE, 44.0 dam³

ANISE CREEK NEAR SMOOTS - STATION NO. 05BB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.233	0.005	0	0.063	0	0.002	0	---	1
2	---	---	0B	0 B	0.135	0	0.084	0.043	0	0	0B	---	2
3	---	---	0B	0 B	0.046A	0	0.264	0.020	0	0	0B	---	3
4	---	---	0B	0 B	0.040E	0	1.19	0.006	0	0	0B	---	4
5	---	---	0B	0 B	0.035E	0	4.78	0.004	0	0	---	---	5
6	---	---	0B	0 B	0.035E	0	5.54	0.014	0	0	---	---	6
7	---	---	0B	0 B	0.038E	0	4.28	0.006	0	0	---	---	7
8	---	---	0B	0 B	0.040E	0	3.70	0.003	0	0	---	---	8
9	---	---	0B	0 B	0.058A	0	2.97	0.004	0.021	0	---	---	9
10	---	---	0B	0 B	0.180	0	2.00	0.006	0.010	0	---	---	10
11	---	---	0B	0 B	0.158	0	1.17	0.008	0.009	0	---	---	11
12	---	---	0B	0 B	0.125	0	0.665	0.010	0.008	0	---	---	12
13	---	---	0B	0 B	0.108	0	0.390	0.017	0.007	0	---	---	13
14	---	---	0B	0 B	0.107	0	0.229	0.006	0.006	0	---	---	14
15	---	---	0B	0 B	0.099	0	0.122	0.005	0.005	0	---	---	15
16	---	---	0B	0 B	0.083	0	0.049	0.004	0.005	0	---	---	16
17	---	---	0B	0 B	0.077	0	0.026	0.003	0.005	0	---	---	17
18	---	---	0B	0.140B	0.085	0	0.009	0.001	0.004	0	---	---	18
19	---	---	0B	0.280B	0.126	0	0.007	0.001	0.004	0	---	---	19
20	---	---	0B	0.430B	0.038	0	0.005	0.001	0.003	0	---	---	20
21	---	---	0B	0.217B	0.005	0	0.022	0.001	0.003	0	---	---	21
22	---	---	0B	1.55 B	0.001	0	0.069	0.001	0.002	0	---	---	22
23	---	---	0B	5.34	0.016	0	1.49	0.001	0.002	0	---	---	23
24	---	---	0B	5.52	0.037	0	2.47	0.001	0.002	0	---	---	24
25	---	---	0B	4.09	0.001	0	1.59	0.001	0.005	0	---	---	25
26	---	---	0B	2.71	0.054	0	1.61	0.001	0.008	0	---	---	26
27	---	---	0B	1.45	0.079	0	1.20	0	0.007	0	---	---	27
28	---	---	0B	0.815	0.062	0	0.696	0	0.006	0	---	---	28
29	---		0B	0.488	0.005	0	0.360	0	0.006	0	---	---	29
30	---		0B	0.275	0.001	0	0.155	0	0.005	0	---	---	30
31	---		0B		0.016		0.088	0		0		---	31
TOTAL	---	---	0	23.305	2.125	0.005	37.230	0.231	0.133	0.002	---	---	TOTAL
MEAN	---	---	0	0.777	0.069	0	1.20	0.007	0.004	0	---	---	MEAN
MAX	---	---	0	5.52	0.233	0.005	5.54	0.063	0.021	0.002	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.257
MAXIMUM DAILY, 5.54 ON JUL 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.45 AZ 15:17 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 35 N
LONG 112 33 10 W
DRAINAGE AREA, 378 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 220
FEB	---	AUG	20.0
MAR	0	SEP	11.5
APR	2 010	OCT	0.17
MAY	184	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 5 450 dam³

ANISE RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	4.35 E	0.871	0	0.018E	0.020E	0E	---	---	1
2	---	---	0B	0 B	4.05 E	0.785	0	0.030E	0.008E	0E	---	---	2
3	---	---	0B	0.010B	3.80 E	0.713	0.062	0.080E	0.002E	0E	---	---	3
4	---	---	0B	0.020B	3.60 E	0.695	0.256	0.200E	0 E	0E	---	---	4
5	---	---	0B	0.040B	3.45 E	0.673	0.456	0.130E	0 E	0E	---	---	5
6	---	---	0B	0.080B	3.30 E	0.618	0.576	0.065E	0 E	0E	---	---	6
7	---	---	0B	0.120B	3.10 E	0.530	0.538	0.035E	0 E	0E	---	---	7
8	---	---	0B	0.180B	2.80 E	0.450	0.439	0.020E	0 E	0E	---	---	8
9	---	---	0B	0.250B	2.55 E	0.359	0.327	0.018E	0 E	0E	---	---	9
10	---	---	0B	0.320B	2.32 E	0.410	0.240	0.012E	0 E	0E	---	---	10
11	---	---	0B	0.420B	2.10 E	0.370	0.160E	0.010E	0 E	0E	---	---	11
12	---	---	0B	0.580B	1.92 E	0.323	0.080E	0.008E	0 E	0E	---	---	12
13	---	---	0B	0.800B	1.80 A	0.184	0.050E	0.007E	0 E	0E	---	---	13
14	---	---	0B	1.12 B	1.77	0.090	0.040E	0.006E	0 E	0E	---	---	14
15	---	---	0B	1.45 B	1.48	0.033	0.030E	0.006E	0 E	0E	---	---	15
16	---	---	0B	1.85 B	1.24	0.099	0.025E	0.005E	0 E	0E	---	---	16
17	---	---	0B	2.20 B	1.16	0.065	0.020E	0.005E	0 E	0E	---	---	17
18	---	---	0B	2.45 B	1.05	0.051	0.018E	0.004E	0 E	0E	---	---	18
19	---	---	0B	2.70 B	0.959	0.041	0.016E	0.004E	0 E	0E	---	---	19
20	---	---	0B	3.04 B	0.941	0.040	0.015E	0.003E	0 E	0E	---	---	20
21	---	---	0B	3.50 B	0.781	0.025	0.014E	0.003E	0 E	0E	---	---	21
22	---	---	0B	4.40 B	0.680	0	0.013E	0.002E	0 E	0E	---	---	22
23	---	---	0B	5.80 B	0.872	0	0.012E	0.004E	0 E	0E	---	---	23
24	---	---	0B	7.40 B	0.982	0	0.012E	0.010E	0 E	0E	---	---	24
25	---	---	0B	6.40 B	0.872	0	0.022E	0.030E	0 E	0E	---	---	25
26	---	---	0B	5.95 E	1.01	0	0.050E	0.015E	0 E	0E	---	---	26
27	---	---	0B	5.60 E	1.12	0	0.020E	0.005E	0 E	0E	---	---	27
28	---	---	0B	5.30 E	1.07	0	0.018E	0.002E	0 E	0E	---	---	28
29	---		0B	4.95 E	1.08	0	0.012E	0 E	0 E	0E	---	---	29
30	---		0B	4.65 E	1.06	0	0.012E	0.010E	0 E	0E	---	---	30
31	---		0B		0.928		0.012E	0.050E		0E		---	31
TOTAL	---	---	0	71.580	58.195	7.405	3.545	0.797	0.030	0	---	---	TOTAL
MEAN	---	---	0	2.39	1.88	0.247	0.114	0.026	0.001	0	---	---	MEAN
MAX	---	---	0	7.40	4.35	0.871	0.576	0.200	0.020	0	---	---	MAX
MIN	---	---	0	0	0.680	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.578
MAXIMUM DAILY, 7.40B ON APR 24
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	306
FEB	---	AUG	68.9
MAR	0	SEP	2.59
APR	6 180	OCT	0
MAY	5 930	NOV	---
JUN	640	DEC	---

TOTAL DISCHARGE, 12 200 dam³

ANTELOPE COULEE SPILLWAY - STATION NO. 05BB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.038	0.068	0.166	0.129E	0.144	0.109	0.067A	---	1
2	---	---	---	---	0.038	0.070	0.169	0.136E	0.141	0.108	---	---	2
3	---	---	---	---	0.087	0.078	0.160	0.165A	0.143	0.110	---	---	3
4	---	---	---	---	0.204	0.110	0.132	0.149	0.150	0.107	---	---	4
5	---	---	---	---	0.391	0.641	0.173	0.151	0.147	0.104	---	---	5
6	---	---	---	---	0.402	0.587	0.463	0.189	0.141	0.106	---	---	6
7	---	---	---	---	0.528	0.712	0.398	0.167	0.140	0.106	---	---	7
8	---	---	---	---	0.568	0.689	0.193	0.151	0.137	0.103	---	---	8
9	---	---	---	---	0.148	0.096	0.279	0.157	0.133	0.103	---	---	9
10	---	---	---	---	0.145	0.083	0.165	0.158	0.131	0.103	---	---	10
11	---	---	---	---	0.133	0.079	0.158	0.164	0.130	0.105	---	---	11
12	---	---	---	---	0.118	0.078	0.162	0.162	0.128	0.106	---	---	12
13	---	---	---	---	0.116	0.079	0.166A	0.165	0.128	0.106	---	---	13
14	---	---	---	---	0.106	0.083	0.162E	0.164	0.125	0.103	---	---	14
15	---	---	---	---	0.133	0.089	0.163E	0.162	0.130	0.103	---	---	15
16	---	---	---	---	0.137	0.088	0.164E	0.166	0.123	0.108	---	---	16
17	---	---	---	---	0.113	0.097	0.165E	0.163	0.120	0.095	---	---	17
18	---	---	---	---	---	0.089	0.164E	0.169	0.119	0.097	---	---	18
19	---	---	---	0.004A	0.128	0.086	0.163E	0.172	0.112	0.101	---	---	19
20	---	---	---	0.004E	0.113	0.083	0.144E	0.172	0.109	0.089	---	---	20
21	---	---	---	0.004E	0.107	0.081	0.133E	0.169	0.110	0.096	---	---	21
22	---	---	---	0.004E	0.106	0.086	0.164E	0.168	0.111	0.099	---	---	22
23	---	---	---	0.004E	0.104	0.090	0.160E	0.159	0.109	0.098	---	---	23
24	---	---	---	0.004E	0.094	0.097	0.154E	0.159	0.108	0.085	---	---	24
25	---	---	---	0.004E	0.096	0.102	0.160E	0.157	0.109	0.086	---	---	25
26	---	---	---	0.004A	0.106	0.103	0.801E	0.157	0.151	0.084	---	---	26
27	---	---	---	0.004E	0.132	0.107	0.105E	0.148	0.153	0.077	---	---	27
28	---	---	---	0.004E	0.098	0.113	0.107E	0.144	0.155	0.074	---	---	28
29	---		---	0.197	0.086	0.116	0.112E	0.146	0.169	0.077	---	---	29
30	---		---	0.042	0.073	0.138	0.118E	0.145	0.118	0.070	---	---	30
31	---		---		0.067		0.122E	0.141		0.068		---	31
TOTAL	---	---	---	---	4.481	5.027	6.015	4.824	3.924	2.978	---	---	TOTAL
MEAN	---	---	---	---	0.145	0.168	0.194	0.156	0.131	0.096	---	---	MEAN
MAX	---	---	---	---	0.529	0.712	0.801	0.172	0.169	0.110	---	---	MAX
MIN	---	---	---	---	0.038	0.068	0.105	0.129	0.108	0.068	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.108
MAXIMUM DAILY, 0.801E ON JUL 26
MINIMUM DAILY, 0.038 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 20 N
LONG 112 09 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	520
FEB	---	AUG	417
MAR	---	SEP	339
APR	---	OCT	257
MAY	387	NOV	---
JUN	434	DEC	---

TOTAL DISCHARGE, 2 350 dam³

ATHABASCA RIVER ABOVE JACKFISH CREEK - STATION NO. 07DD007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.848	208.918	---	209.158	---	210.086	210.107	210.623	209.747	209.420	209.272	208.983	1
2	208.847	---	---	209.161	---	209.941	210.104	210.540	209.778	209.477	209.279	208.971	2
3	208.854	208.867	---	209.161	---	209.970	210.065	210.461	209.809	209.444	209.338	209.018	3
4	208.866	---	---	209.163	---	210.004	210.088	210.372	209.835	209.394	209.220	209.061	4
5	208.872	---	---	209.161	---	209.999	210.115	210.291	209.840	209.392	209.202	209.070	5
6	208.880	---	---	209.163	---	209.947	210.179	210.256	209.857	209.461	209.151	209.070	6
7	208.889	---	---	209.160	---	209.876	210.178	210.272	209.839	209.552	209.058	209.048	7
8	208.903	---	---	209.155	210.608	209.876	210.172	210.408	209.803	209.586	209.002	209.041	8
9	208.911	---	---	209.162	210.589	209.879	210.350	210.539	209.792	209.532	208.990	209.041	9
10	208.910	---	---	209.168	210.555	209.911	210.831	210.587	209.837	209.510	209.010	209.050	10
11	208.904	209.029	---	209.171	210.510	209.946	211.060	210.558	209.797	209.533	209.021	209.076	11
12	208.898	208.969	---	209.172	210.488	209.992	211.109	210.509	209.898	209.577	209.043	209.110	12
13	208.903	208.974	---	209.173	210.381	210.015	211.042	210.445	209.953	209.579	209.045	209.153	13
14	208.907	208.988	---	209.176	210.334	210.001	210.926	210.383	209.909	209.572	209.065	209.193	14
15	208.903	208.995	---	209.186	210.276	209.970	210.918	210.309	209.902	209.546	209.088	209.211	15
16	208.905	209.009	209.111	209.200	210.241	209.933	210.901	210.246	209.888	209.661	209.043	209.216	16
17	208.904	209.018	209.109	209.206	210.218	209.873	210.820	210.189	209.913	209.613	209.008	209.208	17
18	208.902	209.029	209.110	209.210	210.191	209.867	210.727	210.143	209.941	209.440	208.966	209.184	18
19	208.897	209.039	209.108	209.231	210.191	209.900	210.670	210.111	209.905	209.365	208.951	209.171	19
20	208.901	209.048	209.115	209.257	210.189	209.971	210.752	210.062	209.849	209.380	208.937	209.147	20
21	208.896	209.061	209.116	209.295	210.185	210.032	210.871	209.996	209.789	209.407	208.916	209.161	21
22	208.896	209.066	209.115	209.334	210.184	210.096	210.933	209.945	209.744	209.416	208.885	209.133	22
23	208.893	209.075	209.119	209.378	210.196	210.120	210.966	209.946	209.678	209.350	208.856	209.119	23
24	208.900	209.086	209.122	209.397	210.208	210.109	210.976	209.929	209.624	209.380	208.826	209.110	24
25	208.902	209.068	209.127	209.412	210.216	210.092	210.947	209.916	209.646	209.397	208.809	209.098	25
26	208.902	---	209.131	209.459	210.254	210.082	210.929	209.887	209.597	209.406	208.815	209.094	26
27	208.897	---	209.136	209.523	210.242	210.076	210.903	209.811	209.551	209.382	208.830	209.098	27
28	208.903	---	209.136	209.683	210.218	210.090	---	209.801	209.533	209.368	208.835	209.100	28
29	208.901		209.144	210.056	210.177	210.114	---	209.779	209.522	209.304	208.873	209.106	29
30	208.904		209.157	---	---	210.106	210.775	209.753	209.444	209.305	208.923	209.123	30
31	208.914		209.159		---		210.688	209.732		209.288		209.136	31
MEAN	208.894	---	---	---	---	209.996	---	210.187	209.774	209.453	209.009	209.105	MEAN
MAX	208.914	---	---	---	---	210.120	---	210.623	209.953	209.661	209.338	209.216	MAX
MIN	208.847	---	---	---	---	209.867	---	209.732	209.444	209.288	208.809	208.943	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 211.109 ON JUL 12

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 25 00 N
LONG 110 55 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	67.5B	67.3B	62.4B	80.5B	776	583	1 110	963	734	510	297	285B	1
2	65.0B	68.9B	62.3B	81.0B	832	542	1 180	955	728	556	283	300B	2
3	64.0B	69.8B	61.1B	83.7B	839	528	1 100	1 040	698	567	269 B	318B	3
4	63.0B	71.1B	59.4B	85.2B	869	577	1 110	1 300	670	529	263 B	355B	4
5	62.0B	70.5B	58.5B	87.2B	902	668	1 270	1 600	628	511	241 B	366B	5
6	60.0B	69.7B	58.4B	89.8B	887	742	2 150	1 590	605	548	238 B	359B	6
7	59.5B	69.2B	58.7B	90.0B	833	803	2 960	1 420	661	597	219 B	349B	7
8	59.0B	70.7B	61.4B	90.0B	726	860	3 420	1 220	823	568	228 B	324B	8
9	58.5B	70.4B	61.3B	89.8B	665	873	3 940	1 050	872	531	221 B	299B	9
10	58.0B	69.4B	59.2B	88.3B	640	792	2 520	952	790	500	207 B	278B	10
11	58.0B	69.1B	60.3B	89.6B	635	689	2 220	886	737	479	205 B	266B	11
12	58.5B	67.7B	63.5B	88.7B	630	641	1 930	860	767	450	225 B	261B	12
13	59.0B	66.7B	65.4B	91.6B	636	657	1 650	863	847	427	138 B	250B	13
14	60.7B	66.6B	66.8B	95.0B	693	737	1 450	875	824	407	99.4B	238B	14
15	59.7B	66.5B	68.5B	99.6B	722	854	1 310	849	723	399	103 B	231B	15
16	59.4B	66.2B	69.3B	103 B	719	982	1 510	788	647	403	125 B	222B	16
17	60.0B	65.0B	70.3B	109 B	737	1 040	2 180	727	589	394	142 B	217B	17
18	61.2B	63.6B	71.1B	115 B	788	1 110	2 280	732	546	391	151 B	221B	18
19	63.6B	64.5B	71.8B	116 B	834	1 140	2 050	757	512	411	148 B	226B	19
20	66.2B	65.2B	73.0B	130 B	867	1 080	1 810	742	483	416	158 B	223B	20
21	67.9B	64.9B	73.2B	150 B	934	1 020	1 670	688	466	417	246 B	222B	21
22	69.6B	63.8B	74.2B	168 B	887	1 010	1 670	655	450	399	283 B	226B	22
23	67.5B	64.4B	74.3B	169 B	811	1 020	1 710	686	441	376	311 B	223B	23
24	66.1B	64.6B	75.4B	206 B	741	1 060	1 690	705	434	358	301 B	224B	24
25	66.7B	65.8B	76.4B	460 B	697	1 110	1 580	695	423	356	285 B	224B	25
26	67.7B	65.9B	77.4B	728 B	695	1 140	1 440	685	411	352	271 B	218B	26
27	68.8B	64.9B	78.7B	773	657	1 070	1 310	692	413	347A	251 B	213B	27
28	68.2B	63.6B	80.3B	772	635	985	1 220	693	402	337	232 B	208B	28
29	67.8B		80.6B	719	732	920	1 140	682	399	331	247 B	197B	29
30	66.3B		81.4B	711	728	915	1 060	663	442	320	271 B	182B	30
31	66.0B		81.0B		666		1 000	694		313		181B	31
TOTAL	1 964.4	1 876.0	2 135.6	6 755.8	23 413	26 118	53 640	27 787	18 161	13 500	6 654.4	7 906	TOTAL
MEAN	63.4	67.0	68.9	225	755	871	1 730	896	605	435	222	255	MEAN
MAX	68.8	71.1	81.4	773	934	1 140	3 420	1 600	872	597	311	366	MAX
MIN	58.0	63.6	58.4	80.5	630	528	1 000	655	399	313	99.4	181	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 520
MAXIMUM DAILY, 3 420 ON JUL 8
MINIMUM DAILY, 58.0B ON JAN 10
MAXIMUM INSTANTANEOUS,
3 490 AT 12:36 MST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 17 10 W
DRAINAGE AREA, 74 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	170 000	JUL	4 630 000
FEB	162 000	AUG	2 400 000
MAR	185 000	SEP	1 570 000
APR	584 000	OCT	1 170 000
MAY	2 020 000	NOV	575 000
JUN	2 260 000	DEC	683 000

TOTAL DISCHARGE, 16 400 000 dam³

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1 300B	1 120	1 090	1 470	671	667	---	---	1
2	---	---	---	---	1 290B	1 150	1 020	1 360	877	670	---	---	2
3	---	---	---	---	1 280B	1 150	962	1 290	900	664	---	---	3
4	---	---	---	---	1 250E	1 090	982	1 250	919	671	---	---	4
5	---	---	---	---	1 300E	1 050	1 130	1 200	936	708	---	---	5
6	---	---	---	---	1 340E	1 000	1 150	1 210	938	761	---	---	6
7	---	---	---	---	1 370E	963	1 110	1 400	911	785	---	---	7
8	---	---	---	---	1 370E	956	1 180	1 800	881	773	---	---	8
9	---	---	---	---	1 360E	1 010	2 020	1 880	851	756	---	---	9
10	---	---	---	---	1 350E	1 070	2 780	1 770	835	749	---	---	10
11	---	---	---	---	1 340E	1 110	3 210	1 580	869	777	---	---	11
12	---	---	---	---	1 310E	1 150	3 080	1 410	985	781	---	---	12
13	---	---	---	---	1 240E	1 160	2 770	1 280	1 050	747	---	---	13
14	---	---	---	---	1 200E	1 100	2 520	1 180	1 010	733	---	---	14
15	---	---	---	---	1 150E	1 010	2 400	1 130	967	713	---	---	15
16	---	---	---	---	1 120E	952	2 200	1 090	969	696	---	---	16
17	---	---	---	---	1 130E	939	1 970	1 080	1 040	686	---	---	17
18	---	---	---	---	1 150E	993	1 790	1 080	1 030	662	---	---	18
19	---	---	---	---	1 160E	1 070	1 780	1 060	968	648	---	---	19
20	---	---	---	---	1 190A	1 160	2 430	1 000	901	643	---	---	20
21	---	---	---	---	1 270	1 240	2 700	963	852	639	---	---	21
22	---	---	---	---	1 290	1 300	2 590	958	826	623	---	---	22
23	---	---	---	---	1 320	1 280	2 380	965	808	619	---	---	23
24	---	---	---	---	1 350	1 210	2 200	965	787	630	---	---	24
25	---	---	---	---	1 410	1 150	2 100	932	763	634	---	---	25
26	---	---	---	---	1 380	1 120	2 100	909	738	632	---	---	26
27	---	---	---	---	1 300	1 130	2 090	884	719	623	---	---	27
28	---	---	---	---	1 230	1 150	2 000	870	706	604	---	---	28
29	---		---	---	1 190	1 180	1 840	867	690	600A	---	---	29
30	---		---	---	1 180	1 170	1 690	871	677	580E	---	---	30
31	---		---		1 140		1 560	870		570E		---	31
TOTAL	---	---	---	---	39 260	33 133	60 824	36 574	26 274	21 044	---	---	TOTAL
MEAN	---	---	---	---	1 270	1 100	1 960	1 180	876	679	---	---	MEAN
MAX	---	---	---	---	1 410	1 300	3 210	1 880	1 050	785	---	---	MAX
MIN	---	---	---	---	1 120	939	962	867	677	570	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3 210 ON JUL 11

MAXIMUM INSTANTANEOUS,
3 250 AT 15:20 MST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 12 18 N
LONG 111 23 24 W
DRAINAGE AREA, 155 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 260 000
FEB	---	AUG	3 160 000
MAR	---	SEP	2 270 000
APR	---	OCT	1 820 000
MAY	3 390 000	NOV	---
JUN	2 860 000	DEC	---

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.5B	30.6B	26.9B	28.0B	42.7	268	669	460	293	181	98.0	60.7B	1
2	23.8B	31.1B	26.8B	25.3B	43.0	332	657	499	282	173	93.4	58.6B	2
3	25.5B	30.4B	27.1B	24.1B	47.5	382	667	552	289	189	77.2B	63.5B	3
4	27.5B	29.3B	27.9B	23.1B	47.6	425	813	543	318	193	93.3B	53.6B	4
5	29.5B	26.9B	27.3B	26.2B	43.6	455	1 000	466	358	180	91.8B	56.5B	5
6	32.0B	26.7B	27.0B	28.3B	42.2	455	956	402	380	164	86.7B	53.7B	6
7	34.0B	28.0B	27.8B	28.3B	47.4	380	858	380	346	157	78.8B	42.6B	7
8	35.5B	27.4B	27.5B	27.1B	54.2	310	766	371	329	149	71.3B	40.6B	8
9	35.0B	26.4B	27.9B	26.1B	52.6	277	663	369	373	141	56.2B	40.5B	9
10	34.5B	24.5B	28.0B	26.2B	50.8	291	588	382	461	135	49.0B	48.3B	10
11	34.0B	26.3B	27.3B	29.5B	52.5	364	534	399	472	132	45.4B	47.9B	11
12	34.0B	27.1B	26.8B	27.7B	57.9	458	503	397	382	141	44.3B	46.4B	12
13	34.0B	27.1B	26.9B	42.1B	65.3	550	488	353	325	148	57.0B	48.0B	13
14	34.5B	27.5B	26.7B	40.3B	67.8	651	489	315	287	142	52.1B	50.3B	14
15	30.6B	27.7B	26.8B	33.9B	72.8	750	553	307	259	155	51.9B	51.2B	15
16	28.8B	27.9B	26.6B	31.7B	78.1	801	596	298	241	165	64.6B	49.3B	16
17	29.4B	29.3B	25.7B	32.5B	81.7	767	556	287	231	172	69.4B	44.0B	17
18	29.4B	29.5B	25.8B	30.4B	95.2	712	546	288	222	175	62.8B	46.1B	18
19	30.3B	28.3B	26.5B	29.1B	106	696	575	282	221	160	49.8B	45.4B	19
20	29.9B	25.6B	27.0B	30.6B	110	730	651	268	222	148	43.6B	44.9B	20
21	28.9B	27.8B	27.6B	35.6B	114	776	668	268	218	137	45.2B	41.6B	21
22	29.6B	27.0B	28.7B	40.5B	135	825	597	282	213	135	39.6B	40.8B	22
23	30.6B	27.0B	29.1B	41.1B	171	869	536	291	216	132	33.9B	40.3B	23
24	31.7B	25.5B	28.4B	45.7B	176	810	463	279	216	131	36.3B	40.3B	24
25	31.0B	25.5B	27.8B	64.1B	195	716	420	266	211	126	44.1B	45.6B	25
26	30.7B	25.0B	26.7B	63.4B	260	656	404	272	210	120	48.5B	51.5B	26
27	30.1B	26.1B	27.9B	68.9B	255	634	394	304	223	117	50.2B	47.0B	27
28	29.6B	27.3B	30.6B	49.0B	220	713	397	311	224	113	49.9B	42.9B	28
29	29.3B		31.8B	48.9	186	766	406	334	219	109	53.2B	51.5B	29
30	29.8B		31.0B	44.5	178	699	418	318	199	97.5	60.7B	52.9B	30
31	29.4B		29.4B		285		438	305		100		49.1B	31
TOTAL	947.4	768.8	857.3	1 102.2	3 353.9	17 518	18 269	10 848	8 440	4 509.5	1 798.2	1 481.6	TOTAL
MEAN	30.6	27.5	27.7	36.7	108	584	589	350	281	145	59.9	47.8	MEAN
MAX	35.5	31.1	31.8	68.9	260	869	1 000	552	472	193	98.0	63.5	MAX
MIN	22.5	24.5	24.8	23.1	42.2	268	394	266	199	97.5	33.9	40.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 191
MAXIMUM DAILY, 1 000 ON JUL 5
MINIMUM DAILY, 22.5B ON JAN 1
MAXIMUM INSTANTANEOUS,
1 020 AT 18:45 MST ON JUL 5

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 45 N
LONG 117 35 15 W
DRAINAGE AREA, 9 790 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	81 900	JUL	1 580 000
FEB	66 400	AUG	937 000
MAR	74 100	SEP	728 000
APR	95 200	OCT	390 000
MAY	290 000	NOV	155 000
JUN	1 510 000	DEC	128 000

TOTAL DISCHARGE, 6 040 000 dam³

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	105 B	116 B	98.0B	134B	1 260B	1 020	1 040	1 230E	821	582	504	341B	1
2	104 B	115 B	98.0B	134B	1 240	953	1 040	1 160E	846	582	479	319B	2
3	103 B	115 B	98.0B	134B	1 280	895	1 250	1 070E	865	632	466B	289B	3
4	102 B	115 B	98.0B	134B	1 340	844	1 330	1 060E	875	674	425B	264B	4
5	101 B	115 B	97.0B	134B	1 360	815	1 270	1 120E	851	715	411B	251B	5
6	100 B	114 B	97.0B	134B	1 340	819	1 310	1 350E	832	700	394B	256B	6
7	99.0B	114 B	96.0B	134B	1 340	845E	1 790	1 540E	800	674	439B	268B	7
8	98.0B	114 B	96.0B	134B	1 310	890E	2 860	1 650A	767	669	440B	271B	8
9	97.0B	114 B	96.0B	134B	1 270	940E	3 490	1 590	781	712	429B	299B	9
10	96.0B	114 B	96.0B	134B	1 170	1 000E	3 430	1 400	901	735	448B	307B	10
11	95.0B	114 B	96.0B	135B	1 090	1 110E	2 980	1 250	986	708	408B	304B	11
12	96.0B	115 B	96.0B	138B	1 060	1 000E	2 670	1 140	946	674	348B	296B	12
13	98.0B	114 B	97.0B	139B	1 050	930E	2 390	1 070	900	652	312B	273B	13
14	102 B	112 B	97.0B	141B	1 030	850E	2 100	1 030	902	635	330B	242B	14
15	107 B	111 B	97.0B	144B	1 020	820E	1 860	1 020	974	611	314B	224B	15
16	110 B	110 B	99.0B	146B	1 050	830E	1 700	1 020	991	596	313B	207B	16
17	113 B	109 B	100 B	150B	1 090	850E	1 570	1 010	916	583	325B	203B	17
18	115 B	107 B	102 B	158B	1 080	910E	2 080	961	853	577	263B	201B	18
19	115 B	104 B	104 B	165B	1 080	970E	2 710	910	803	572	226B	193B	19
20	115 B	103 B	105 B	175B	1 110	1 040E	2 630	880	754	563	208B	188B	20
21	115 B	102 B	108 B	200B	1 150	1 060E	2 420	896	716	562	218B	183B	21
22	115 B	101 B	111 B	250B	1 170	1 000E	2 230	906	685	574	200B	177B	22
23	115 B	100 B	113 B	310B	1 250	960E	2 080	880	662	580	203B	178B	23
24	119 B	100 B	116 B	350B	1 220	1 020E	2 080	842	644	581	223B	184B	24
25	120 B	99.0B	119 B	460B	1 140	1 140A	1 980A	809	635	568	296B	184B	25
26	123 B	99.0B	123 B	560B	1 070	1 180	1 840E	781	622	549	289B	187B	26
27	122 B	98.0B	126 B	700B	1 020	1 230	1 700E	781	612	537	279B	186B	27
28	120 B	98.0B	128 B	900B	1 010	1 250	1 600E	779	596	533	291B	187B	28
29	118 B		130 B	1 050B	985	1 180	1 500E	786	589	527	347B	188B	29
30	116 B		132 B	1 150B	944	1 080	1 410E	786	587	516	357B	187B	30
31	116 B		133 B		995		1 330E	786		511		186B	31
TOTAL	3 370.0	3 042.0	3 302.0	8 761	35 524	29 431	61 670	32 493	23 712	18 884	10 185	7 222	TOTAL
MEAN	109	109	107	292	1 150	981	1 990	1 050	790	609	340	233	MEAN
MAX	123	116	133	1 150	1 360	1 250	3 490	1 650	991	735	504	341	MAX
MIN	95.0	98.0	96.0	134	944	815	1 040	779	587	511	200	177	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 651
MAXIMUM DAILY, 3 490 ON JUL 9
MINIMUM DAILY, 95.0B ON JAN 11
MAXIMUM INSTANTANEOUS,
3 610 AT 20:09 MST ON JUL 9

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 50 N
LONG 111 24 00 W
DRAINAGE AREA, 133 000 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	291 000	JUL	5 330 000
FEB	263 000	AUG	2 810 000
MAR	285 000	SEP	2 050 000
APR	757 000	OCT	1 630 000
MAY	3 070 000	NOV	880 000
JUN	2 540 000	DEC	624 000

TOTAL DISCHARGE, 20 500 000 dam³

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.5B	10.9B	10.5 B	8.60E	17.3	133	372	328	155	65.2	34.0	22.0B	1
2	13.4B	11.0B	10.4 B	8.60E	17.7	162	357	342	161	66.8	27.6B	21.0B	2
3	13.2B	11.0B	10.3 B	8.60E	19.5	185	364	316	176	76.3	27.8B	20.0B	3
4	13.1B	11.1B	10.3 B	8.60E	19.3	205	443	256	211	67.8	34.0B	19.4B	4
5	12.9B	11.1B	10.2 B	8.60E	17.8	217	382	213	232	60.1	31.6	18.6B	5
6	12.8B	11.0B	10.2 B	8.55E	17.2	181	344	212	191	56.5	29.7	18.0B	6
7	12.7B	11.0B	10.1 B	8.60E	18.1	135	333	211	185	54.2	26.4	17.2B	7
8	12.5B	10.9B	10.1 B	8.70E	19.1	116	293	215	222	50.5	23.4	17.2B	8
9	12.4B	10.9B	10.1 B	8.80E	18.7	113	272	227	287	48.0	22.2B	17.0B	9
10	12.3B	10.9B	10.0 B	8.90E	18.0	143	257	254	300	46.9	20.5B	16.8B	10
11	12.1B	10.9B	9.70B	8.95E	18.7	189	254	251	201	47.8	19.7B	16.7B	11
12	12.0B	10.8B	9.40B	8.95E	21.1	244	255	211	164	48.0	19.2B	16.6B	12
13	11.9B	10.8B	9.00B	8.90E	22.7	305	249	173	138	47.2	19.8B	16.5B	13
14	11.7B	10.8B	8.80B	8.85E	23.7	361	295	166	118	51.4	20.3B	16.5B	14
15	11.6B	10.9B	8.70B	8.80E	26.3	405	307	154	107	59.4	21.0B	16.5B	15
16	11.5B	10.9B	8.80B	8.85E	28.1	406	247	143	100	67.5	22.7B	16.5B	16
17	11.4B	10.9B	8.90B	8.95E	34.0	378	248	149	95.9	73.1	24.5B	16.5B	17
18	11.3B	11.0B	8.95B	9.15E	41.5	367	288	149	95.7	62.2	18.7B	16.5B	18
19	11.2B	11.0B	9.00B	9.45E	47.0	387	346	140	100	55.1	17.0B	16.5B	19
20	11.2B	11.0B	9.00B	9.80E	47.0	409	381	144	98.7	47.6	16.0B	16.5B	20
21	11.2B	11.0B	9.00B	10.2 E	51.8	485	321	152	96.6	45.6	14.3B	16.6B	21
22	11.2B	11.1B	8.95E	10.7 E	73.2	479	301	164	103	46.1	13.3B	16.7B	22
23	11.1B	11.1B	8.90E	11.3 E	80.5	459	238	152	103	50.2	14.0B	16.8B	23
24	11.1B	11.0B	8.60E	12.0 E	74.9	415	215	141	99.7	46.5	15.7B	16.9B	24
25	11.1B	11.0B	8.60E	12.5 E	113	393	212	141	96.2	43.9	18.8B	17.0B	25
26	11.0B	10.9B	8.55E	13.2 E	115	370	213	170	97.9	42.0	17.7B	16.8B	26
27	11.0B	10.8B	8.50E	14.0 E	91.1	377	226	166	98.5	40.2	17.0B	16.4B	27
28	11.0B	10.7B	8.50E	14.8 E	75.0	403	240	204	89.9	38.6	19.0B	16.0B	28
29	10.9B		8.60E	15.4 A	68.2	374	258	177	80.3	34.4B	20.8B	15.7B	29
30	10.9B		8.70E	17.7	74.6	371	285	170	69.8	32.9B	22.8B	15.2B	30
31	10.9B		8.75E		97.3		306	163		35.4		14.8B	31
TOTAL	366.1	306.4	288.10	309.80	1 407.4	9 127	9 102	6 044	4 282.2	1 606.9	649.5	531.4	TOTAL
MEAN	11.8	10.9	9.29	10.3	45.4	304	294	195	143	51.8	21.7	17.1	MEAN
MAX	13.5	11.1	10.5	17.7	115	479	443	342	300	76.3	34.0	22.0	MAX
MIN	10.9	10.7	8.50	8.55	17.2	113	212	140	69.8	32.9	13.3	14.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 93.2
MAXIMUM DAILY, 479 ON JUN 22
MINIMUM DAILY, 8.50E ON MAR 27
MAXIMUM INSTANTANEOUS,
490 AT 03:00 MST ON JUN 23

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 33 N
LONG 118 03 25 W
DRAINAGE AREA, 3 890 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 600	JUL	786 000
FEB	26 500	AUG	522 000
MAR	24 900	SEP	370 000
APR	26 700	OCT	139 000
MAY	122 000	NOV	56 100
JUN	789 000	DEC	45 900

TOTAL DISCHARGE, 2 940 000 dam³

ATHABASCA RIVER NEAR OLD FORT - STATION NO. 07DD011

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	210.873	---	---	212.635	212.763	213.085	212.634	211.570	211.422	211.569	1
2	---	---	210.874	---	---	212.636	212.637	212.935	212.057	211.558	211.372	211.643	2
3	---	210.827	210.877	---	---	212.655	212.545	---	212.117	211.548	211.647	211.577	3
4	---	210.823	210.874	---	---	212.573	212.546	---	212.181	211.549	212.529	---	4
5	---	210.829	210.878	---	---	212.469	212.796	---	212.220	211.632	212.418	---	5
6	---	210.843	210.870	---	---	212.360	212.936	---	212.233	211.754	212.198	211.589	6
7	---	210.847	210.872	---	---	212.288	212.870	---	212.188	211.825	212.058	211.787	7
8	---	210.844	210.870	---	---	212.266	212.913	---	212.125	211.833	212.003	211.832	8
9	---	210.848	210.872	---	---	212.346	213.802	---	212.053	211.772	212.053	211.830	9
10	---	210.846	210.874	---	---	212.444	214.802	---	212.014	211.753	212.100	211.815	10
11	---	210.846	210.875	---	---	212.556	215.206	213.436	212.040	211.820	212.143	211.796	11
12	210.882	210.845	210.878	---	213.144	212.607	215.216	213.188	212.249	211.858	212.160	211.739	12
13	210.885	210.853	---	---	213.037	212.631	214.967	212.959	212.435	211.811	212.129	211.665	13
14	210.874	210.851	---	---	212.963	212.581	214.686	212.778	212.391	211.724	212.165	211.632	14
15	210.869	210.852	---	---	212.904	212.441	---	212.653	212.303	211.672	212.160	211.608	15
16	210.861	210.851	---	---	212.849	212.318	---	212.576	212.299	211.636	212.052	211.639	16
17	210.863	210.851	---	---	212.822	212.278	---	212.538	212.391	211.603	211.976	211.697	17
18	210.833	210.860	---	---	212.884	212.345	---	212.541	212.433	211.559	211.921	211.748	18
19	210.834	210.869	---	211.117	212.940	212.501	---	212.895	212.329	---	211.861	211.798	19
20	210.832	210.873	---	211.165	212.952	212.661	---	212.388	212.189	211.589	211.817	211.837	20
21	210.831	210.875	---	211.223	212.955	212.834	---	212.268	212.068	211.587	211.765	211.864	21
22	210.829	210.871	---	211.263	212.984	212.927	213.929	212.223	211.965	211.558	211.672	211.884	22
23	210.832	210.874	---	211.285	213.013	212.927	214.117	212.262	211.885	211.550	211.558	---	23
24	210.835	210.872	210.903	211.315	213.060	212.849	214.012	212.300	211.815	211.586	211.470	---	24
25	210.833	210.868	---	211.365	213.131	212.759	213.891	212.228	211.753	211.611	211.413	---	25
26	210.835	210.870	---	---	213.132	212.708	213.875	212.141	211.714	211.609	211.381	---	26
27	210.840	210.871	---	---	213.038	212.721	213.869	212.074	211.689	211.584	211.363	---	27
28	210.839	210.869	---	---	212.916	212.774	213.820	212.034	211.660	211.527	211.396	---	28
29	---		---	---	212.821	212.856	213.668	212.028	211.633	211.485	211.498	---	29
30	---		---	---	212.770	212.883	213.531	212.051	211.599	211.473	211.562	---	30
31	---		---		212.707		213.217	212.047		211.443		---	31
MEAN	---	---	---	---	---	212.594	---	---	212.069	---	211.842	---	MEAN
MAX	---	---	---	---	---	212.927	---	---	212.435	---	212.529	---	MAX
MIN	---	---	---	---	---	212.266	---	---	211.599	---	211.363	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 22 28 N
LONG 111 31 18 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	36.0B	44.0B	125B	318	859	681	432	352	161	---	1
2	---	---	37.0B	43.5B	150B	391	845	791	406	323	151	---	2
3	---	---	38.0B	43.0B	175B	473	883	896	384	328	138A	---	3
4	---	---	39.0B	42.5B	188B	536	1 390	927	394	361	---	---	4
5	---	---	39.5B	42.0B	194B	589	1 790	837	464	354	---	---	5
6	---	---	40.0B	42.0B	199	633	1 720	721	566	324	---	---	6
7	---	---	40.5B	42.0B	202	613	1 460	623	558	297	---	---	7
8	---	---	41.5B	42.0B	216	516	1 240	575	492	281	---	---	8
9	---	---	42.0B	42.0B	228	438	1 070	539	475	264	---	---	9
10	---	---	42.5B	42.0B	232	399	926	526	538	248	---	---	10
11	---	---	43.0B	42.0B	262	426	837	552	626	237	---	---	11
12	---	---	44.0B	42.5B	309	527	771	569	593	231	---	---	12
13	---	---	44.2B	45.0B	386	631	731	581	508	234	---	---	13
14	---	---	44.4B	50.0B	311	715	733	479	438	231	---	---	14
15	---	---	44.5B	56.0B	335	808	1 210	443	394	229	---	---	15
16	---	---	44.5B	62.0B	354	868	1 310	464	362	240	---	---	16
17	---	---	44.5B	60.0B	374	880	1 120	476	381	254	---	---	17
18	---	---	44.5B	58.0B	408	844	964	458	325	259	---	---	18
19	---	---	44.5B	55.0B	441	807	898	421	313	255	---	---	19
20	---	---	44.5B	52.0B	396	809	891	405	308	234	---	---	20
21	---	---	45.0B	49.0B	358	841	917	385	306	223	---	---	21
22	---	---	45.4B	48.0B	325	875	904	392	300	215	---	---	22
23	---	---	45.4B	49.0B	325	913	833	412	293	200	---	---	23
24	---	---	45.4B	54.0B	345	942	758	411	295	211	---	---	24
25	---	---	45.4B	59.0B	332	876	679	405	294	210	---	---	25
26	---	---	45.4B	65.0B	364	813	630	404	289	204	---	---	26
27	---	---	45.4B	71.0B	449	767	595	421	303	194	---	---	27
28	---	---	45.4B	77.0B	411	773	569	452	358	187	---	---	28
29	---		45.4B	90.0B	358	989	562	455	376	175	---	---	29
30	---		45.4B	100 B	313	923	558	476	392	164	---	---	30
31	---		45.0B		294		564	452		156		---	31
TOTAL	---	---	1 337.2	1 609.5	9 279	20 845	29 117	16 517	12 115	7 675	---	---	TOTAL
MEAN	---	---	43.1	53.7	299	695	939	533	404	248	---	---	MEAN
MAX	---	---	45.4	100	449	942	1 790	927	626	361	---	---	MAX
MIN	---	---	36.0	42.0	125	318	558	385	289	156	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 402
MAXIMUM DAILY, 1 790 ON JUL 5
MINIMUM DAILY, 36.0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1 820 AT 18:25 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 25 N
LONG 116 03 45 W
DRAINAGE AREA, 19 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 520 000
FEB	---	AUG	1 430 000
MAR	116 000	SEP	1 050 000
APR	139 000	OCT	663 000
MAY	802 000	NOV	---
JUN	1 800 000	DEC	---

TOTAL DISCHARGE, 8 520 000 dam³

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.847	0.069	0.201	0.106	0.140	0.126	---	---	1
2	---	---	---	---	0.746	0.091	0.398	0.100	0.134	0.130	---	---	2
3	---	---	---	---	0.714	0.138	0.590	0.093	0.130	0.163	---	---	3
4	---	---	---	---	0.732	0.084	1.65	0.090	0.147	0.167	---	---	4
5	---	---	---	---	0.799	0.086	1.31	0.090	0.225	0.143	---	---	5
6	---	---	---	---	0.868	0.085	1.15	0.080	0.175	0.143	---	---	6
7	---	---	---	---	0.847	0.080	0.685	0.071	0.151	0.140	---	---	7
8	---	---	---	---	0.832	0.095	0.481	0.064	0.142	0.136	---	---	8
9	---	---	---	---	0.818	0.105	0.390	0.060	0.147	0.135	---	---	9
10	---	---	---	---	0.802	0.121	0.348	0.056	0.160	0.136	---	---	10
11	---	---	---	---	0.785	0.114	0.307	0.056	0.143	0.141	---	---	11
12	---	---	---	---	1.11 E	0.112	0.288	0.066	0.141	0.135	---	---	12
13	---	---	---	0.963B	1.09 E	0.117	0.281	0.063	0.135	0.133	---	---	13
14	---	---	---	1.30	0.988E	0.125	0.276	0.075	0.129	0.139	---	---	14
15	---	---	---	---	0.932E	0.126	0.308	0.089	0.138	0.145	---	---	15
16	---	---	---	---	0.878E	0.125	0.264	0.103	0.145	0.142	---	---	16
17	---	---	---	---	0.827E	0.127	0.242	0.104	0.134	0.147	---	---	17
18	---	---	---	---	0.773E	0.134	0.255	0.105	0.136	0.153	---	---	18
19	---	---	---	---	0.719E	0.133	0.242	0.114	0.132	0.156	---	---	19
20	---	---	---	2.66	0.671E	0.142	0.229	0.117	0.132	0.147	---	---	20
21	---	---	---	3.54 E	0.289	0.147	0.211	0.117	0.133	0.141	---	---	21
22	---	---	---	3.96 E	0.270	0.150	0.298	0.117	0.205	0.148	---	---	22
23	---	---	0.116B	3.40 E	0.255	0.151	0.254	0.116	0.153	0.151	---	---	23
24	---	---	---	2.94	0.256	0.156	0.194	0.169	0.129	0.151	---	---	24
25	---	---	---	2.13	0.178	0.163	0.183	0.138	0.124	0.150	---	---	25
26	---	---	---	1.66	0.146	0.172	0.149	0.121	0.127	0.153	---	---	26
27	---	---	---	1.41	0.093	0.181	0.146	0.111	0.128	0.153E	---	---	27
28	---	---	---	1.09	0.081	0.188	0.136	0.118	0.128	0.153E	---	---	28
29	---		---	0.916	0.077	0.191	0.130	0.121	0.126	0.153E	---	---	29
30	---		---	0.870	0.087	0.196	0.124	0.186	0.137	0.153E	---	---	30
31	---		---		0.076		0.112	0.158		0.153E		---	31
TOTAL	---	---	---	---	18.586	3.904	11.832	3.174	4.306	4.516	---	---	TOTAL
MEAN	---	---	---	---	0.600	0.130	0.382	0.102	0.144	0.146	---	---	MEAN
MAX	---	---	---	---	1.11	0.196	1.65	0.186	0.225	0.167	---	---	MAX
MIN	---	---	---	---	0.076	0.069	0.112	0.056	0.124	0.126	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.96E ON APR 22

MAXIMUM INSTANTANEOUS,
4.08 AT 17:30 MST ON APR 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 20 N
LONG 113 56 00 W
DRAINAGE AREA, 236 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 020
FEB	---	AUG	274
MAR	---	SEP	372
APR	---	OCT	390
MAY	1 610	NOV	---
JUN	337	DEC	---

ATHABASCA CREEK NEAR ELK POINT - STATION NO. 05BD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.998	0.027	0.001	0.007	0.002	0.006E	0.014B	---	1
2	---	---	0B	0 B	0.927	0.020	0.006	0.010	0.009	0.005E	0.013B	---	2
3	---	---	0B	0 B	0.816	0.017	0.008	0.016	0.009	0.006E	0.010B	---	3
4	---	---	0B	0 B	0.701	0.014	0.013	0.009	0.012	0.009E	---	---	4
5	---	---	0B	0 B	0.540	0.013	0.013	0.021	0.008	0.011E	---	---	5
6	---	---	0B	0 B	0.377	0.012	0.010	0.021	0.008	0.013E	---	---	6
7	---	---	0B	0 B	0.273	0.010	0.016	0.009	0.010	0.009E	---	---	7
8	---	---	0B	0 B	0.204	0.008	0.032	0.004	0.002	0.004	---	---	8
9	---	---	0B	0 B	0.106	0.007	0.032	0.002	0	0.006	---	---	9
10	---	---	0B	0 B	0.103	0.007	0.030	0	0	0.006	---	---	10
11	---	---	0B	0.001B	0.105	0.006	0.053	0	0	0.007	---	---	11
12	---	---	0B	0.002B	0.231	0.005	0.051	0	0	0.009	---	---	12
13	---	---	0B	0.004B	0.136	0.003	0.043	0	0	0.009	---	---	13
14	---	---	0B	0.006B	0.114	0.005	0.042	0	0	0.009	---	---	14
15	---	---	0B	0.008B	0.141	0.004	0.043	0.010	0	0.011	---	---	15
16	---	---	0B	0.010B	0.147	0.005	0.041	0.011	0	0.011	---	---	16
17	---	---	0B	0.038B	0.151	0.006	0.030	0.007	0	0.011	---	---	17
18	---	---	0B	0.062B	0.125	0.004	0.025	0.007	0	0.012	---	---	18
19	---	---	0B	0.084B	0.079	0.001	0.023	0.006	0	0.014	---	---	19
20	---	---	0B	0.107B	0.063	0	0.019	0.007	0	0.014	---	---	20
21	---	---	0B	0.143B	0.047	0	0.019	0.003	0	0.013	---	---	21
22	---	---	0B	0.280B	0.039	0	0.021	0.001	0	0.010	---	---	22
23	---	---	0B	0.400B	0.075	0.003	0.016	0	0	0.011	---	---	23
24	---	---	0B	0.510B	0.076	0.002	0.016	0	0	0.013	---	---	24
25	---	---	0B	0.640B	0.059	0.001	0.017	0	0	0.013	---	---	25
26	---	---	0B	0.744B	0.047	0	0.016	0	0	0.013	---	---	26
27	---	---	0B	0.876B	0.066	0	0.014	0	0.002	0.014	---	---	27
28	---	---	0B	0.952B	0.055	0	0.013	0	0.007	0.017	---	---	28
29	---		0B	1.03 B	0.043	0	0.011	0	0.008A	0.018B	---	---	29
30	---		0B	0.986	0.042	0	0.009	0	0.007A	0.018B	---	---	30
31	---		0B		0.037		0.008	0		0.017B		---	31
TOTAL	---	---	0	6.883	6.941	0.180	0.691	0.151	0.084	0.339	---	---	TOTAL
MEAN	---	---	0	0.229	0.224	0.006	0.022	0.005	0.003	0.011	---	---	MEAN
MAX	---	---	0	1.03	0.998	0.027	0.053	0.021	0.012	0.018	---	---	MAX
MIN	---	---	0	0	0.037	0	0.001	0	0	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.062
MAXIMUM DAILY, 1.03B ON APR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.06B AT 13:30 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 10 N
LONG 110 55 10 W
DRAINAGE AREA, 365 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	59.7
FEB	---	AUG	13.0
MAR	0	SEP	7.26
APR	595	OCT	29.3
MAY	600	NOV	---
JUN	15.6	DEC	---

TOTAL DISCHARGE, 1 320 dam³

BABSTTE CREEK NEAR COLINTON - STATION NO. 07CA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.648E	0.007	0.001	0.138	0.162	0.007	---	---	1
2	---	---	---	0 B	0.555E	0.005	0.001	0.099	0.216	0.008	---	---	2
3	---	---	---	0 B	0.456A	0.005	0.003	0.165	0.160	0.008	---	---	3
4	---	---	---	0 B	0.407	0.005	0.004	0.213	0.100	0.008	---	---	4
5	---	---	---	0 B	0.322	0.005	0.005	0.236	0.060	0.007	---	---	5
6	---	---	---	0 B	0.242	0.005	0.018	0.259	0.047	0.007	---	---	6
7	---	---	---	0 B	0.211	0.022	0.009	0.254	0.040	0.008	---	---	7
8	---	---	---	0 B	0.161	0.008	0.007	0.231	0.033	0.008	---	---	8
9	---	---	---	0 B	0.125	0.065	0.006	0.208	0.030	0.008	---	---	9
10	---	---	---	0 B	0.098	0.018	0.005	0.180	0.049	0.008	---	---	10
11	---	---	---	0 B	0.079	0.006	0.005	0.187	0.060	0.007	---	---	11
12	---	---	---	0 B	0.066	0.005	0.005	0.179	0.089	0.007	---	---	12
13	---	---	---	0 B	0.056	0.005	0.005	0.234	0.078	0.007	---	---	13
14	---	---	---	0.003B	0.055	0.005	0.006	0.289	0.065	0.009	---	---	14
15	---	---	---	0.252B	0.032	0.004	0.023	0.268	0.059	0.008	---	---	15
16	---	---	---	0.504B	0.021	0.004	0.073	0.242	0.049	0.008	---	---	16
17	---	---	---	0.753B	0.013	0.003	0.055	0.216	0.038	0.008	---	---	17
18	---	---	---	1.00 B	0.010	0.002	0.045	0.186	0.027	0.008	---	---	18
19	---	---	---	1.25 B	0.010	0.002	0.023	0.153	0.020	0.010	---	---	19
20	---	---	---	1.50 B	0.010	0.002	0.015	0.136	0.015	0.008	---	---	20
21	---	---	---	1.69 B	0.009	0.002	0.011	0.166	0.011	0.006	---	---	21
22	---	---	---	1.88 B	0.009	0.001	0.190	0.207	0.009	0.006	---	---	22
23	---	---	0B	1.89 E	0.044	0.001	0.347	0.201	0.009	0.007	---	---	23
24	---	---	---	1.90 A	0.116	0.001	0.454	0.181	0.009	0.006	---	---	24
25	---	---	---	1.61 E	0.202	0.001	0.444	0.512	0.009	0.006	---	---	25
26	---	---	---	1.31 E	0.128	0	0.372	0.258	0.009	0.014	---	---	26
27	---	---	---	1.02 A	0.085	0	0.356	0.181	0.009	0.010	---	---	27
28	---	---	---	0.926E	0.051	0	0.341	0.132	0.009	0.007A	---	---	28
29	---		---	0.830A	0.021	0	0.281	0.108	0.009	0.007E	---	---	29
30	---		---	0.739E	0.009	0	0.222	0.081	0.008	0.007E	---	---	30
31	---		---		0.007		0.169	0.071		0.007E		---	31
TOTAL	---	---	---	19.057	6.256	0.279	3.581	6.171	1.488	0.240	---	---	TOTAL
MEAN	---	---	---	0.635	0.137	0.009	0.113	0.199	0.050	0.008	---	---	MEAN
MAX	---	---	---	1.90	0.648	0.098	0.454	0.512	0.216	0.014	---	---	MAX
MIN	---	---	---	0	0.007	0	0.001	0.071	0.008	0.006	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.90A ON APR 24
MINIMUM DAILY, 0B ON MAR 23
MAXIMUM INSTANTANEOUS,
1.90 AT 19:15 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 39 10 N
LONG 113 04 45 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	302
FEB	---	AUG	533
MAR	---	SEP	139
APR	1 650	OCT	20.7
MAY	368	NOV	---
JUN	34.1	DEC	---

BAPTISTE LAKE NEAR ATHABASCA - STATION NO. 07BB002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	578.066E	577.886	577.776	577.872	578.046	577.957	---	---	1
2	---	---	---	---	578.066E	577.881	577.775	577.877	578.037	577.957	---	---	2
3	---	---	---	---	578.066E	577.876	577.795	577.907	578.032	577.957	---	---	3
4	---	---	---	---	578.066E	577.866	577.814	577.952	578.027	577.957	---	---	4
5	---	---	---	---	578.066E	577.876	577.819	578.007	578.027	577.958	---	---	5
6	---	---	---	---	578.063	577.861	577.820	578.032E	578.022	577.953	---	---	6
7	---	---	---	---	578.048E	577.856	577.813	578.062	578.022	577.953	---	---	7
8	---	---	---	---	578.033E	577.850	577.813	578.077	578.023	577.948	---	---	8
9	---	---	---	---	578.018E	577.858	577.813	578.082	578.023	577.947	---	---	9
10	---	---	---	---	578.003E	577.869	577.812	578.092	578.023	577.932	---	---	10
11	---	---	---	---	577.991	577.868	577.808	578.102	578.013	577.931	---	---	11
12	---	---	---	---	577.986	577.868	577.808	578.102	578.013	577.926	---	---	12
13	---	---	---	---	577.986	577.837	577.801	578.107	578.004	577.926E	---	---	13
14	---	---	---	---	577.986	577.837	577.795	578.107	577.994	577.926E	---	---	14
15	---	---	---	---	577.983	577.836	577.802	578.107	577.974	577.925	---	---	15
16	---	---	---	---	577.979	577.830	577.873	578.107	577.974	577.924	---	---	16
17	---	---	---	577.835	577.979	577.830	577.873	578.106	577.924	577.924E	---	---	17
18	---	---	---	---	577.981	577.826	577.848	578.106	577.925	577.923	---	---	18
19	---	---	---	---	577.981	577.824	577.833E	578.101	577.925	577.923	---	---	19
20	---	---	---	---	577.976	577.818	577.821	578.091	577.975	577.923	---	---	20
21	---	---	---	---	577.971	577.817	577.812	578.086	577.975	577.923	---	---	21
22	---	---	---	---	577.966	577.812	577.817	578.091	577.975	577.922	---	---	22
23	---	---	---	---	577.956E	577.806	577.847	578.086E	577.975	577.921	---	---	23
24	---	---	---	---	577.946	577.800	577.844	578.086	577.976	577.921	---	---	24
25	---	---	---	---	577.941E	577.792	577.862	578.081	577.976	577.920	---	---	25
26	---	---	---	---	577.941	577.789	577.867	578.071	577.971	577.920	---	---	26
27	---	---	---	578.061	577.936E	577.784	577.874	578.066	577.966	577.920E	---	---	27
28	---	---	---	---	577.926	577.778	577.877	578.061	577.961	577.920E	---	---	28
29	---		---	---	577.918	577.772	577.877	578.061	577.962	577.920E	---	---	29
30	---		---	---	577.910	577.772	577.876	578.061	577.962	577.920E	---	---	30
31	---		---		577.898		577.872E	578.051		577.920E		---	31
MEAN	---	---	---	---	577.988	577.831	577.830	578.058	577.990	577.932	---	---	MEAN
MAX	---	---	---	---	578.066	577.886	577.877	578.107	578.046	577.958	---	---	MAX
MIN	---	---	---	---	577.898	577.772	577.775	577.872	577.924	577.920	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 14 N
LONG 113 31 51 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BARE CREEK RESERVOIR NEAR ELKWATER - STATION NO. 11AB094

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	1137.152	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	1136.282	---	---	5
6	---	---	1132.808E	1132.808E	1136.405E	1137.135E	1136.990E	1136.880E	1136.380E	1136.275E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	1136.848	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	1132.808E	1133.475E	1136.505E	1137.090E	1136.945E	1136.660E	1136.345E	1136.250E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	1133.890	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	1132.808	---	---	---	---	---	1136.420	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	1135.930E	1136.702	1137.050E	---	---	1136.315E	1135.882	---	---	26
27	---	---	1132.808E	1136.278	1136.710E	---	1136.902	1136.410E	---	1135.840E	---	---	27
28	---	1132.808E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	1137.023	---	---	---	---	---	---	29
30	---		---	1136.320E	---	1137.010E	---	---	1136.300E	---	---	---	30
31	---		1132.808E		1137.160E		1136.900E	1136.395E		1135.700E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 26 06 N
LONG 110 23 45 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

BARRIER LAKE NEAR SEEBE - STATION NO. 05BF024

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1375.68	1375.78	1375.84	1375.62	1368.73	1370.96	1371.75	1373.28	1373.67	1374.68	1375.17	1375.96	1
2	1375.78	1375.75	1375.78	1375.65	1368.77	1371.23	1371.69	1373.34	1373.64	1374.80	1375.11	1375.90	2
3	1375.78	1375.68	1375.75	1375.59	1368.64	1371.62	1371.72	1373.37	1373.61	1374.95	1375.07	1375.93	3
4	1375.62	1375.62	1375.78	1375.56	1368.60	1371.33	1371.66	1373.43	1373.61	1375.01	1375.11	1375.96	4
5	1375.56	1375.56	1375.81	1375.75	1368.88	1371.33	1371.63	1373.61	1373.70	1375.11	1375.20	1375.99	5
6	1375.56	1375.47	1375.81	1375.87	1367.88	1371.36	1371.42	1373.76	1373.83	1375.20	1375.32	1375.87	6
7	1375.59	1375.44	1375.75	1375.71	1367.79	1371.30	1371.54	1373.79	1373.98	1375.44	1375.41	1375.81	7
8	1375.59	1375.38	1375.84	1375.53	1367.61	1371.14	1371.54	1373.79	1374.10	1375.68	1375.29	1375.71	8
9	1375.65	1375.32	1375.84	1375.38	1367.58	1371.05	1371.54	1373.79	1374.19	1375.84	1375.29	1375.78	9
10	1375.71	1375.56	1375.90	1375.47	1367.58	1371.14	1371.48	1373.86	1374.22	1375.75	1375.07	1375.81	10
11	1375.75	1375.62	1375.87	1375.56	1367.79	1371.26	1371.45	1373.86	1374.25	1375.65	1374.80	1375.81	11
12	1375.87	1375.68	1375.84	1375.44	1368.03	1371.54	1371.54	1373.92	1374.25	1375.53	1374.83	1375.81	12
13	1375.96	1375.78	1375.78	1375.44	1368.09	1371.48	1371.42	1373.92	1374.28	1375.44	1375.07	1375.84	13
14	1375.96	1375.87	1375.71	1375.50	1368.19	1371.60	1371.51	1373.92	1374.28	1375.32	1374.95	1375.78	14
15	1376.02	1375.81	1375.71	1375.38	1368.37	1371.75	1371.54	1373.79	1374.28	1375.32	1374.83	1375.71	15
16	1376.05	1375.78	1375.84	1375.38	1368.70	1371.97	1371.66	1373.70	1374.28	1375.29	1374.89	1375.84	16
17	1376.05	1375.81	1375.87	1375.35	1368.89	1372.06	1371.75	1373.76	1374.28	1375.38	1375.04	1375.93	17
18	1375.96	1375.78	1375.87	1375.29	1369.13	1372.00	1371.81	1373.76	1374.28	1375.35	1375.11	1375.99	18
19	1375.81	1375.71	1375.90	1375.35	1369.34	1371.97	1371.87	1373.64	1374.10	1375.29	1375.11	1376.05	19
20	1375.75	1375.68	1375.81	1375.23	1369.47	1372.00	1372.06	1373.55	1374.07	1375.26	1375.14	1376.05	20
21	1375.38	1375.65	1375.87	1374.65	1369.65	1371.97	1372.18	1373.61	1374.10	1375.29	1375.17	1375.99	21
22	1375.47	1375.65	1375.81	1374.34	1369.89	1372.03	1372.30	1373.61	1374.07	1375.32	1375.17	1375.87	22
23	1375.65	1375.84	1375.93	1373.73	1370.17	1371.87	1372.39	1373.67	1374.01	1375.35	1375.11	1375.78	23
24	1375.75	1375.90	1375.90	1373.22	1370.32	1371.57	1372.45	1373.73	1374.13	1375.47	1375.20	1375.71	24
25	1375.90	1375.75	1375.78	1372.58	1370.66	1371.51	1372.54	1373.73	1374.22	1375.50	1375.35	1375.65	25
26	1375.96	1375.81	1375.87	1371.90	1371.02	1371.72	1372.79	1373.76	1374.25	1375.50	1375.53	1375.62	26
27	1375.87	1375.93	1375.90	1371.20	1371.17	1371.75	1372.88	1373.76	1374.28	1375.41	1375.75	1375.59	27
28	1375.71	1375.84	1375.81	1370.47	1371.08	1371.60	1372.91	1373.73	1374.47	1375.35	1375.96	1375.59	28
29	1375.62		1375.81	1369.68	1370.90	1371.78	1373.00	1373.73	1374.59	1375.29	1375.93	1375.53	29
30	1375.68		1375.75	1368.83	1370.78	1371.63	1373.15	1373.70	1374.80	1375.44	1375.96	1375.56	30
31	1375.78		1375.65		1370.78		1373.25	1373.70		1375.44		1375.53	31
MEAN	1375.76	1375.69	1375.82	1374.36	1369.14	1371.58	1372.01	1373.70	1374.13	1375.34	1375.23	1375.80	MEAN
MAX	1376.05	1375.93	1375.93	1375.87	1371.17	1372.06	1373.25	1373.92	1374.80	1375.84	1375.96	1376.05	MAX
MIN	1375.38	1375.32	1375.65	1368.83	1367.58	1370.96	1371.42	1373.28	1373.61	1374.68	1374.80	1375.53	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1374.84
MAXIMUM DAILY, 1376.05 ON JAN 16
MINIMUM DAILY, 1367.58 ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 59 N
LONG 115 02 29 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.037	0.244	2.23	0.946	0.534	0.666	0.015A	---	1
2	---	---	---	---	---	0.024	0.152	1.23	1.17	0.564	0.113	---	---	2
3	---	---	---	---	---	0.023	0.223	0.296	1.04	0.440	0.043	---	---	3
4	---	---	---	---	---	0.022	0.196	0.195	0.760	0.508	0.032	---	---	4
5	---	---	---	---	---	0.021	0.337	0.115	0.538	0.618	0.032	---	---	5
6	---	---	---	---	---	0.019	0.695	0.186	0.407	0.872	0.029	---	---	6
7	---	---	---	---	---	0.019	0.626	0.471	0.535	0.831	0.025	---	---	7
8	---	---	---	---	---	0.024	0.573	0.367	0.721	0.603	0.023	---	---	8
9	---	---	---	---	---	0.122E	0.487	0.350	0.745	0.490	0.023	---	---	9
10	---	---	---	---	---	0.142E	0.435	0.326	0.469	0.538	0.025	---	---	10
11	---	---	---	---	---	0.045E	0.323	0.274	0.815	0.500	0.025	---	---	11
12	---	---	---	---	---	0.020E	0.159	0.721	0.837	0.578	0.030	---	---	12
13	---	---	---	---	---	0.018E	0.163	0.762	0.699	0.536	0.236	---	---	13
14	---	---	---	---	---	0.020E	0.169	0.626	0.707	0.591	0.168	---	---	14
15	---	---	---	---	---	0.019E	0.241	0.609	0.972	0.567	0.354	---	---	15
16	---	---	---	---	---	0.016E	0.343	0.391	0.903	0.508	0.422	---	---	16
17	---	---	---	---	---	0.017E	0.336	0.388	0.540	0.614	0.519	---	---	17
18	---	---	---	---	---	0.016E	0.276	0.509	0.620	0.617	0.468	---	---	18
19	---	---	---	---	---	0.078E	0.157	0.560	0.614	0.607	0.353	---	---	19
20	---	---	---	---	---	0.150E	0.438	0.502	0.435	0.747	0.427	---	---	20
21	---	---	---	---	---	0.161E	0.396	0.202	0.593	0.664	0.408	---	---	21
22	---	---	---	---	---	0.163E	0.518	0.170	0.805	0.367	0.350	---	---	22
23	---	---	---	---	---	0.148E	0.403	0.184	0.745	0.230	0.109	---	---	23
24	---	---	---	---	---	0.044E	0.257	0.262	0.536	0.272	0.027	---	---	24
25	---	---	---	---	---	0.069A	0.383	0.713	0.478	0.488	0.022	---	---	25
26	---	---	---	0.028A	0.287	0.589	1.18	0.601	0.758	0.021	---	---	---	26
27	---	---	---	0.030	0.282	0.723	0.624	0.556	1.09	0.020	---	---	---	27
28	---	---	---	0.029	0.254	0.741	0.527	0.607	1.20	0.018	---	---	---	28
29	---		---	0.030	0.252	0.485	0.668	0.697	1.23	0.019	---	---	---	29
30	---		---	0.030	0.305	0.984	0.467	0.668	1.42	0.017	---	---	---	30
31	---		---		0.280		0.669	0.456		0.017		---		31
TOTAL	---	---	---	---	3.096	11.962	16.774	21.215	19.582	5.041	---	---	---	TOTAL
MEAN	---	---	---	---	0.100	0.399	0.541	0.684	0.653	0.163	---	---	---	MEAN
MAX	---	---	---	---	0.305	0.984	2.23	1.17	1.42	0.666	---	---	---	MAX
MIN	---	---	---	---	0.016	0.152	0.115	0.407	0.230	0.017	---	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.422
MAXIMUM DAILY, 2.23 ON JUL 1
MINIMUM DAILY, 0.016E ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 112 36 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 450
FEB	---	AUG	1 830
MAR	---	SEP	1 690
APR	---	OCT	436
MAY	267	NOV	---
JUN	1 030	DEC	---

TOTAL DISCHARGE, 6 700 dam³

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05PC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.780B	0.290B	48.2	13.7	6.40	30.4	7.70	5.93	---	---	1
2	---	---	0.760B	0.235B	52.3	13.2	6.42	29.8	7.44	4.87	---	---	2
3	---	---	0.744B	0.250B	55.4	12.2	17.4	29.0	7.15	5.71	---	---	3
4	---	---	0.753B	0.270B	57.6	11.7	16.6	28.1	7.09	6.43	---	---	4
5	---	---	0.732B	0.310B	59.9	12.6	17.4	26.7	6.81	6.12	---	---	5
6	---	---	0.710B	0.360B	62.4	13.6	21.7	25.2	6.75	5.58	---	---	6
7	---	---	0.700B	0.450B	63.4	13.6	13.3	24.0	6.82	5.17	---	---	7
8	---	---	0.660B	0.500B	61.3	13.2	11.4	22.8	6.61	5.57	---	---	8
9	---	---	0.630B	0.600B	60.2	12.6	12.8	21.3	6.71	5.97	---	---	9
10	---	---	0.610B	0.800B	59.5	12.1	14.8	19.8	6.73	5.83	---	---	10
11	---	---	0.600B	1.20 B	58.7	11.7	16.5	18.7	6.93	5.65	---	---	11
12	---	---	0.590B	2.00 B	57.3	11.3	18.2	18.2	6.85	5.58	---	---	12
13	---	---	0.570B	2.77 B	56.2	10.9	19.7	17.4	6.71	5.51	---	---	13
14	---	---	0.540B	3.35 B	54.8	10.4	20.8	16.5	6.56	5.45	---	---	14
15	---	---	0.500B	3.21 B	52.0	9.99	21.7	15.9	6.13	5.57	---	---	15
16	---	---	0.460B	2.91 B	49.4	9.59	23.5	15.1	5.76	5.20	---	---	16
17	---	---	0.400B	2.90 B	47.8	9.26	25.4	14.1	6.19	5.02	---	---	17
18	---	---	0.356B	2.87 B	45.3	8.98	26.5	13.4	6.11	5.22	---	---	18
19	---	---	0.380B	4.04 B	43.4	8.71	27.3	12.7	6.04	5.95	---	---	19
20	---	---	0.410B	5.08 B	41.5	8.42	28.1	12.0	5.98	5.37	---	---	20
21	---	---	0.430B	4.69 B	38.4	8.13	28.5	11.3	5.71	5.18	---	---	21
22	---	---	0.450B	4.38 B	35.4	7.84	29.1	11.0	5.68	5.25	---	---	22
23	---	---	0.470B	5.09 B	33.4	7.63	30.6	10.7	6.00	5.10	---	---	23
24	---	---	0.500B	7.52 B	31.9	7.47	31.4	10.3	5.88	5.11	---	---	24
25	---	---	0.530B	15.0 B	27.7	7.35	32.1	9.90	5.62	5.27A	---	---	25
26	---	---	0.560B	27.4	24.4	7.23	32.6	9.48	5.70	5.25E	---	---	26
27	---	---	0.600B	31.1	21.7	7.09	33.0	8.97	5.85	5.20E	---	---	27
28	---	---	0.630B	35.1	19.5	6.95	33.0	8.56	5.48	5.15E	---	---	28
29	---		0.776L	38.4	17.8	6.78	32.7	8.53	5.33	5.05E	---	---	29
30	---		0.697B	43.6	16.1	6.59	32.0	8.23	6.29	4.95E	---	---	30
31	---		0.497B		14.7		31.3	7.96		4.90E		---	31
TOTAL	---	---	18.025	246.655	1 366.6	300.81	712.22	516.03	190.41	168.68	---	---	TOTAL
MEAN	---	---	0.581	8.22	44.1	10.0	23.0	16.6	6.35	5.44	---	---	MEAN
MAX	---	---	0.780	43.6	62.4	13.7	33.0	30.4	7.70	6.43	---	---	MAX
MIN	---	---	0.356	0.235	14.7	6.59	6.40	7.96	5.33	4.87	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.4
MAXIMUM DAILY, 62.4 ON MAY 6
MINIMUM DAILY, 0.235B ON APR 2
MAXIMUM INSTANTANEOUS,
62.9 AT 22:47 MST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 23 N
LONG 112 20 48 W
DRAINAGE AREA, 7 690 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	61 500
FEB	---	AUG	44 600
MAR	1 560	SEP	16 500
APR	21 300	OCT	14 600
MAY	118 000	NOV	---
JUN	26 000	DEC	---

TOTAL DISCHARGE, 304 000 dam³

BATTLE RIVER NEAR POMOKA - STATION NO. 05PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.95 B	0.650B	0.420B	0.401B	15.7	4.43	2.08	6.10	3.91	1.70	2.30	1.62 B	1
2	1.85 B	0.550B	0.380B	0.399B	13.6	3.97	2.86	5.65	3.71	1.61	2.22	1.62 B	2
3	1.82 B	0.460B	0.280B	0.400B	12.6	3.77	4.63	5.18	3.24	1.73	2.00	1.60 B	3
4	1.82 B	0.382B	0.280B	0.402B	12.4	3.49	12.4	4.76	3.08	1.93	2.04	1.61 B	4
5	1.85 B	0.300B	0.310B	0.480B	11.9	3.51	20.0	4.38	3.44	2.64	2.18	1.60 B	5
6	1.88 B	0.300B	0.380B	0.590B	11.0	3.78	37.5	3.98	5.33	3.27	2.35	1.59 B	6
7	1.93 B	0.330B	0.430B	0.720B	10.3	4.28	58.5	3.71	6.59	3.44	2.36	1.58 B	7
8	2.00 B	0.410B	0.580B	0.900B	9.58	4.18	50.4	3.42	6.25	4.07	2.35	1.48 B	8
9	2.09 B	0.490B	0.620B	1.09 B	9.61	3.69	40.9	3.11	5.03	4.50	2.23	1.40 B	9
10	2.10 B	0.500B	0.553B	1.27 B	9.50	3.30	33.9	2.98	4.45	4.01	2.12	1.32 B	10
11	2.10 B	0.480B	0.508B	1.53 B	9.04	3.08	27.2	2.85	4.11	3.56	2.00B	1.35 B	11
12	2.23 B	0.440B	0.508B	1.75 B	8.63	2.87	21.7	2.74	3.93	3.32	1.76B	1.38 B	12
13	2.25 B	0.410B	0.505B	1.82 B	8.52	2.61	16.2	2.73	3.58	3.22	1.50B	1.40 B	13
14	2.19 B	0.430B	0.521B	1.72 B	8.02	2.37	12.6	2.92	3.21	3.22	1.33B	1.35 B	14
15	2.00 B	0.500B	0.530B	2.00 B	7.49	2.17	10.9	3.42	3.04	3.29	1.25B	1.26 B	15
16	1.78 B	0.600B	0.540B	3.25 B	7.15	2.05	10.3	3.45	2.83	3.08	1.26B	1.24 B	16
17	1.52 B	0.650B	0.550B	4.75 B	7.02	1.92	10.1	3.25	2.70	3.03	1.41B	1.33 B	17
18	1.30 B	0.690B	0.540B	5.68 B	7.00	1.86	9.25	3.08	2.55	2.91	1.73B	1.33 B	18
19	1.10 B	0.670B	0.530B	10.6 B	7.43	1.77	8.22	2.72	2.42	2.94	1.74B	1.29 B	19
20	0.956B	0.640B	0.550B	29.0 B	8.41	1.71	7.70	2.66	2.30	2.80	1.73B	1.23 B	20
21	0.690B	0.600B	0.540B	35.4 B	8.58	1.60	7.89	2.66	2.24	2.72	1.68B	1.17 B	21
22	0.520B	0.550B	0.560B	65.2	7.84	1.51	9.48	2.65	2.11	2.65	1.58B	1.10 B	22
23	0.490B	0.480B	0.550B	82.9	7.56	1.50	12.6	2.57	1.68	2.63	1.48B	1.04 B	23
24	0.460B	0.900B	0.550B	89.3	7.36	1.53	14.6	2.49	1.58	2.58	1.43B	0.980B	24
25	0.500B	0.340B	0.560B	79.0 A	7.17	1.61	13.3	2.70	1.51	2.73	1.46B	0.915B	25
26	0.900B	0.380B	0.560B	46.2 E	6.78	1.77	10.[illegible]	2.97	1.36	2.67	1.50B	0.905B	26
27	0.880B	0.440B	0.550B	46.2 A	6.45	1.77	10.3	3.38	1.36	2.53	1.52B	0.935B	27
28	0.700B	0.510B	0.535B	34.1	6.20	2.01	10.5	4.22	1.45	2.59	1.56B	1.01 B	28
29	0.490B		0.502B	24.9	5.77	2.02	9.52	4.04	1.42	2.52	1.58B	1.06 B	29
30	0.500B		0.490B	18.9	5.35	2.17	8.10	3.56	1.72	2.50	1.60B	0.945B	30
31	0.660B		0.450B		4.86		6.96	3.62		2.40		1.06 B	31
TOTAL	43.500	13.582	15.362	590.852	268.82	78.30	511.49	107.95	92.13	88.79	53.25	39.660	TOTAL
MEAN	1.40	0.485	0.496	19.7	8.67	2.61	16.5	3.48	3.07	2.86	1.78	1.28	MEAN
MAX	2.25	0.690	0.620	89.3	15.7	4.43	58.5	6.10	6.59	4.50	2.36	1.62	MAX
MIN	0.460	0.300	0.280	0.399	4.86	1.50	2.08	2.49	1.36	1.61	1.25	0.905	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.22
MAXIMUM DAILY, 89.3 ON APR 24
MINIMUM DAILY, 0.280B ON MAR 3
MAXIMUM INSTANTANEOUS,
90.7 AT 02:31 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 39 44 N
LONG 113 34 56 W
DRAINAGE AREA, 1 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 760	JUL	44 200
FEB	1 170	AUG	9 330
MAR	1 330	SEP	7 960
APR	51 000	OCT	7 670
MAY	23 200	NOV	9 600
JUN	6 770	DEC	3 430

TOTAL DISCHARGE, 164 000 dam³

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.40B	1.38B	1.57B	1.22B	27.1	28.0	8.03	35.7	12.8	7.36	6.83	3.63B	1
2	1.29B	1.34B	1.40B	1.22B	30.8	25.7	8.34	36.0	12.2	7.23	7.31B	3.65B	2
3	1.18B	1.38B	1.27B	1.27B	35.1	23.6	9.01	38.1	11.7	7.15	7.14B	3.56B	3
4	1.06B	1.48B	1.19B	1.30B	37.7	21.6	8.55	43.2	11.1	7.51	6.38B	3.47B	4
5	1.03B	1.44B	1.14B	1.34B	40.3	20.1	7.67	39.7	11.1	7.71	6.98B	3.45B	5
6	1.16B	1.35B	1.13B	1.32B	43.9	18.7	7.20	37.1	10.9	7.32	6.90B	3.36B	6
7	1.38B	1.23B	1.13B	1.35B	45.3	17.6	7.10	34.8	10.8	7.31	7.53B	3.26B	7
8	1.39B	1.12B	1.14B	1.34B	47.9	16.8	14.4	32.8	10.3	7.53	6.58B	3.19B	8
9	1.31B	1.14B	1.16B	1.34B	53.1	16.2	26.6	31.2	9.77	7.18	5.34B	3.04B	9
10	1.33B	1.18B	1.19B	1.32B	54.3	17.0	28.7	29.9	9.51	7.23	5.39B	2.90B	10
11	1.49B	1.15B	1.21B	1.29B	55.2	18.2	32.8	28.6	9.49	7.56	4.81B	2.80B	11
12	1.41B	1.10B	1.27B	1.24B	56.9	17.7	31.1	27.4	9.26	7.45	4.09B	2.71B	12
13	1.16B	1.10B	1.23B	1.38B	57.6	16.3	27.9	26.2	8.95	7.26	4.27B	2.73B	13
14	1.36B	1.16B	1.18B	1.88B	57.6	14.8	26.0	25.1	8.63	6.95	4.30B	2.64B	14
15	1.64B	1.21B	1.16B	2.27B	57.2	13.8	25.0	24.1	8.41	6.82	4.64B	2.51B	15
16	1.82B	1.28B	1.16B	2.99B	57.1	12.9	24.5	23.4	8.48	7.17	4.65B	2.39B	16
17	1.98B	1.32B	1.18B	3.96B	56.3	12.1	24.2	22.2	8.15	7.11	4.60B	2.37B	17
18	1.65B	1.34B	1.18B	5.19B	55.2	12.6	24.4	21.4	8.15	6.99	4.27B	2.72B	18
19	1.23B	1.39B	1.19B	5.87B	54.6	12.1	25.0	20.8	7.94	6.85	4.45B	2.63B	19
20	1.25B	1.47B	1.21B	6.30B	55.0	11.5	25.6	20.0	7.85	7.33	4.71B	2.48B	20
21	1.43B	1.55B	1.25B	7.58B	53.5	11.1	25.9	19.3	7.74	7.27	4.49B	2.54B	21
22	1.53B	1.59B	1.27B	9.60B	52.8	10.5	27.0	18.4	7.51	7.09	4.42B	2.72B	22
23	1.56B	1.68B	1.27B	20.6 B	51.2	9.85	30.4	17.4	7.30	7.06	4.34B	2.56B	23
24	1.56B	1.82B	1.28B	27.0 B	49.1	9.69	31.2	16.7	7.25	6.92	4.13B	2.35B	24
25	1.44B	1.87B	1.26B	37.4 B	47.7	9.73	30.8	16.1	7.13	6.94	3.89B	2.31B	25
26	1.39B	1.78B	1.30B	33.1	46.1	9.36	31.3	15.5	7.08	7.28	3.49B	2.41B	26
27	1.37B	1.71B	1.34B	22.5	44.9	9.00	31.7	15.1	7.01	7.24	3.13B	2.44B	27
28	1.33B	1.64B	1.31B	18.9	41.7	8.81	31.8	14.8	6.99	7.00	3.03B	2.46B	28
29	1.42B		1.26B	18.2	38.2	9.12	32.7	14.2	7.13	6.96	3.01B	2.38B	29
30	1.46B		1.23B	21.5	34.8	8.41	34.3	14.0	7.14	6.81	3.25B	2.37B	30
31	1.40B		1.22B		30.7		35.1	13.5		6.98		2.38B	31
TOTAL	43.41	39.20	38.28	261.77	1 468.9	442.87	734.30	772.7	267.77	222.57	148.35	86.41	TOTAL
MEAN	1.40	1.40	1.23	8.73	47.4	14.8	23.7	24.9	8.93	7.18	4.95	2.79	MEAN
MAX	1.98	1.87	1.57	37.4	57.6	28.0	35.1	43.2	12.8	7.71	7.53	3.65	MAX
MIN	1.03	1.10	1.13	1.22	27.1	8.41	7.10	13.5	6.99	6.81	3.01	2.31	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.4
MAXIMUM DAILY, 57.6 ON MAY 13
MINIMUM DAILY, 1.03B ON JAN 5
MAXIMUM INSTANTANEOUS,
57.9 AT 18:21 CST ON MAY 13

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 23 N
LONG 110 01 06 W
DRAINAGE AREA, 24 800 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 750	JUL	63 400
FEB	3 390	AUG	66 800
MAR	3 310	SEP	23 100
APR	22 600	OCT	19 200
MAY	127 000	NOV	12 800
JUN	38 300	DEC	7 470

TOTAL DISCHARGE, 391 000 dam³

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0.154	0.045	1.52	0.135	0	0	0	0	---	1
2	---	---	0 E	0.055	0.042	2.34	0.292	0	0	0	0	---	2
3	---	---	0 E	0.038	0.039	2.39	0.527	0	0	0	BA	---	3
4	---	---	0 E	0.024	0.035	2.56	0.209	0	0	0	---	---	4
5	---	---	0 E	0.023	0.034	1.93	0.140	0	0	0	---	---	5
6	---	---	0 E	0.019	0.032	1.47	0.127	0	0	0	---	---	6
7	---	---	0 E	0.006	0.038	1.24	0.115	0	0	0	---	---	7
8	---	---	0 E	0.019	0.071	0.976	0.093	0	0	0	---	---	8
9	---	---	0 A	0.021	0.067	0.730	0.082	0	0	0	---	---	9
10	---	---	0.093	0.081	0.077	0.580	0.065	0	0	0	---	---	10
11	---	---	0.175	0.373	0.068	0.554	0.048	0	0	0	---	---	11
12	---	---	0.058	0.913	0.072	0.525	0.037	0	0	0	---	---	12
13	---	---	0.021	0.937	0.065	0.488	0.029	0	0	0	---	---	13
14	---	---	0.022	0.810	0.054	0.443	0.025	0	0	0	---	---	14
15	---	---	0.009	0.569	0.047	0.396	0.016	0	0	0	---	---	15
16	---	---	0.004	0.220	0.039	0.379	0.017	0	0	0	---	---	16
17	---	---	0.002	0.144	0.036	0.313	0.031	0	0	0	---	---	17
18	---	---	0	0.111	0.034	0.260	0.027	0	0	0	---	---	18
19	---	---	0	0.084	0.047	0.221	0.021	0	0	0	---	---	19
20	---	---	0	0.064	0.049	0.181	0.015	0	0	0	---	---	20
21	---	---	0	0.062	0.051	0.147	0.016	0	0	0	---	---	21
22	---	---	0	0.076	0.047	0.117	0.022	0	0	0	---	---	22
23	---	---	0	0.098	0.037	0.094	0.017	0	0	0	---	---	23
24	---	---	0	0.156	0.029	0.084	0.010	0	0	0	---	---	24
25	---	---	0	0.201	0.023	0.084	0.006	0	0	0	---	---	25
26	---	---	0	0.127	0.027	0.074	0.004	0	0	0	---	---	26
27	---	---	0.002	0.081	0.053	0.074	0.003	0	0	0	---	---	27
28	---	---	0.020A	0.069	0.188	0.092	0.002	0	0	0	---	---	28
29	---		0.577A	0.059	0.371	0.105	0	0	0	0	---	---	29
30	---		0.466	0.051	0.282	0.139	0	0	0	0	---	---	30
31	---		0.275		0.533		0	0		0		---	31
TOTAL	---	---	1.724	5.645	2.632	20.506	2.131	0	0	0	---	---	TOTAL
MEAN	---	---	0.056	0.188	0.085	0.684	0.069	0	0	0	---	---	MEAN
MAX	---	---	0.577	0.937	0.533	2.56	0.527	0	0	0	---	---	MAX
MIN	---	---	0	0.006	0.023	0.074	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.133
MAXIMUM DAILY, 2.56 ON JUN 4
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
0.74 AT 15:55 MST ON JUN 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 111 12 48 W
DRAINAGE AREA, 87.3 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	184
FEB	---	AUG	0
MAR	149	SEP	0
APR	488	OCT	0
MAY	227	NOV	---
JUN	1 770	DEC	---

TOTAL DISCHARGE, 2 820 dam³

BEAR LAKE NEAR CLAIRMONT - STATION NO. 07GE004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.667	28.402	---	28.389	---	---	---	1
2	---	---	---	---	---	28.652	28.402	---	---	---	---	---	2
3	---	---	---	---	---	28.647	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	28.419	---	28.219	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	28.640	---	---	28.419	---	28.219	---	---	6
7	---	---	---	---	---	---	---	28.465	---	28.217	---	---	7
8	---	---	---	---	28.692	---	28.343	---	28.405	---	---	---	8
9	---	---	---	---	---	28.618	---	28.479	28.369	---	---	---	9
10	---	---	---	---	28.715	28.598	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	28.469	---	---	---	---	11
12	---	---	---	---	28.743	28.558	---	28.454	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	28.219	---	---	13
14	---	---	---	---	28.745	28.554	---	---	---	28.189	---	---	14
15	---	---	---	28.164	---	---	28.364	---	---	---	---	---	15
16	---	---	---	---	28.766	28.524	28.364	28.449	---	---	---	---	16
17	---	---	---	---	---	28.524	28.384	---	---	---	---	---	17
18	---	---	---	---	---	---	---	28.449	---	---	---	---	18
19	---	---	---	---	---	---	28.365	---	---	---	---	---	19
20	---	---	---	---	28.758	---	---	28.439	---	28.169	---	---	20
21	---	---	---	---	28.753	28.490	28.311	28.439	---	28.169	---	---	21
22	---	---	---	---	---	---	---	---	---	28.169	---	---	22
23	---	---	28.138	28.142	---	28.451	---	---	---	---	---	---	23
24	---	---	---	---	---	28.440	28.311	---	28.279	---	---	---	24
25	---	---	---	---	28.715	---	28.309	28.419	28.275	---	---	---	25
26	---	---	---	---	---	---	---	28.419	---	---	---	---	26
27	---	---	---	---	28.696	---	---	28.415	---	---	---	---	27
28	---	---	---	28.222	28.692	---	28.311	---	28.259	---	---	---	28
29	---		---	---	---	---	---	28.409	28.259	---	---	---	29
30	---		---	---	---	---	28.311	28.419	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 16 10 N
LONG 118 58 30 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.25 B	1.36	2.28	1.43	0.474	0.723	---	---	1
2	---	---	---	---	1.02 B	1.08	1.88	1.36	0.400	0.629	---	---	2
3	---	---	---	---	0.821B	0.910	4.15	1.95	0.367	0.624	---	---	3
4	---	---	---	---	0.623B	0.960	7.73	2.66	0.399	0.935	---	---	4
5	---	---	---	---	0.549	0.989	24.8	1.67	0.564	0.887	---	---	5
6	---	---	---	---	0.482	1.24	10.5	1.03	0.533	0.690	---	---	6
7	---	---	---	---	0.457	2.11	6.95	0.802	0.429	0.602	---	---	7
8	---	---	---	---	0.633	1.90	4.45	0.668	0.348	0.549	---	---	8
9	---	---	---	---	0.713	1.48	3.62	0.620	0.287	0.475	---	---	9
10	---	---	---	---	1.40	1.27	2.62	0.601	0.277	0.426	---	---	10
11	---	---	---	---	2.52	1.32	1.92	0.560	0.305	0.414	---	---	11
12	---	---	---	---	3.19	1.66	1.52	0.522	0.230	0.397	---	---	12
13	---	---	---	4.25B	2.69	1.41	1.46	0.491	0.214	0.396	---	---	13
14	---	---	---	4.29B	2.12	0.998	1.27	0.484	0.184	0.366	---	---	14
15	---	---	---	3.15B	1.26	0.940	1.20	0.528	0.148	0.350	---	---	15
16	---	---	---	2.42B	1.29	0.872	0.994	0.502	0.183	0.381	---	---	16
17	---	---	---	2.34B	1.59	0.937	0.834	0.455	0.152	0.322	---	---	17
18	---	---	---	2.31B	1.09	0.775	0.758	0.447	0.136	0.313	---	---	18
19	---	---	---	2.31B	1.16	0.639	0.692	0.419	0.181	0.303	---	---	19
20	---	---	---	3.33B	1.17	0.553	1.18	0.388	0.156	0.298	---	---	20
21	---	---	---	4.63B	0.880	0.544	8.25	0.375	0.137	0.286	---	---	21
22	---	---	---	6.41B	0.719	0.586	6.39	0.406	0.215	0.295	---	---	22
23	---	---	---	8.38B	0.701	0.734	4.26	0.383	0.188	0.305	---	---	23
24	---	---	---	6.65B	0.753	0.845	2.38	0.365	0.187	0.329	---	---	24
25	---	---	---	4.39B	0.658	0.808	1.78	0.381	0.206	0.354	---	---	25
26	---	---	---	3.88B	0.705	0.703	1.71	0.405	0.219	0.302	---	---	26
27	---	---	---	3.11B	2.92	0.816	1.41	0.768	0.725	0.267	---	---	27
28	---	---	---	2.41B	6.33	5.67	1.06	0.783	1.23	0.246A	---	---	28
29	---		---	1.89B	4.01	4.68	0.874	0.874	0.811	0.227E	---	---	29
30	---		---	1.56B	2.57	3.27	1.37	0.647	0.770	0.218E	---	---	30
31	---		---		1.88		1.53	0.531		0.207E		---	31
TOTAL	---	---	---	---	48.154	42.019	111.822	23.505	10.575	13.076	---	---	TOTAL
MEAN	---	---	---	---	1.55	1.40	3.61	0.758	0.353	0.422	---	---	MEAN
MAX	---	---	---	---	6.33	5.67	24.8	2.66	1.23	0.935	---	---	MAX
MIN	---	---	---	---	0.457	0.544	0.692	0.365	0.136	0.207	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 24.8 ON JUL 5

MAXIMUM INSTANTANEOUS,
33.7 AT 07:54 MST ON JUL 5

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 25 N
LONG 114 42 30 W
DRAINAGE AREA, 223 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 660
FEB	---	AUG	2 030
MAR	---	SEP	914
APR	---	OCT	1 130
MAY	4 160	NOV	---
JUN	3 630	DEC	---

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.055B	0.080	0.040	0.201	0.002	0	0	0.012A	---	1
2	---	---	0 B	0.038B	0.066	0.031	0.133	0	0	0	---	---	2
3	---	---	0 B	0.031B	0.067	0.032	0.092	0	0	0	---	---	3
4	---	---	0 B	0.030B	0.062	0.056	0.074	0	0	0	---	---	4
5	---	---	0 B	0.032B	0.080	0.100	0.072	0	0	0	---	---	5
6	---	---	0.002B	0.034B	0.084	0.235	0.071	0	0	0.004	---	---	6
7	---	---	0.015B	0.035B	0.071	0.255	0.071	0	0	0.008	---	---	7
8	---	---	0.015B	0.038B	0.067	0.188	0.068	0	0	0.008	---	---	8
9	---	---	0.012B	0.048B	0.069	0.158	0.061	0	0	0.008	---	---	9
10	---	---	0.016B	0.104B	0.071	0.146	0.057	0	0	0.008	---	---	10
11	---	---	0.020B	0.722	0.067	0.135	0.050	0	0	0.009	---	---	11
12	---	---	0.025B	0.843	0.067	0.148	0.044	0	0	0.009	---	---	12
13	---	---	0.035B	0.814A	0.064	0.121	0.040	0	0	0.009	---	---	13
14	---	---	0.045B	0.744A	0.061	0.094	0.040	0	0	0.010	---	---	14
15	---	---	0.052B	0.635E	0.062	0.089	0.040	0	0	0.010	---	---	15
16	---	---	0.055B	0.526E	0.061	0.099	0.042	0	0	0.011	---	---	16
17	---	---	0.045B	0.417E	0.060	0.102	0.038	0	0	0.009	---	---	17
18	---	---	0.035B	0.308E	0.058	0.090	0.036	0	0	0.009	---	---	18
19	---	---	0.035B	0.198A	0.069	0.079	0.039	0	0	0.011	---	---	19
20	---	---	0.038B	0.094	0.073	0.076	0.033	0	0	0.011	---	---	20
21	---	---	0.043B	0.111	0.068	0.070	0.028	0	0	0.013	---	---	21
22	---	---	0.052B	0.179	0.059	0.049	0.020	0	0	0.014	---	---	22
23	---	---	0.070B	0.215	0.047	0.045	0.016	0	0	0.014	---	---	23
24	---	---	0.112B	0.214	0.048	0.039	0.012	0	0	0.013	---	---	24
25	---	---	0.098B	0.161	0.029	0.039	0.011	0	0	0.013	---	---	25
26	---	---	0.167B	0.139	0.039	0.043	0.010	0	0	0.013	---	---	26
27	---	---	0.264B	0.135	0.064	0.068	0.007	0	0	0.012	---	---	27
28	---	---	0.382B	0.129	0.087	0.074	0.004	0	0	0.013	---	---	28
29	---		0.430B	0.121	0.098	0.097	0.003	0	0	0.012	---	---	29
30	---		0.202B	0.099	0.081	0.195	0.006	0	0	0.013	---	---	30
31	---		0.083B		0.067		0.006	0		0.015		---	31
TOTAL	---	---	2.348	7.249	2.046	2.993	1.425	0.002	0	0.279	---	---	TOTAL
MEAN	---	---	0.076	0.242	0.066	0.100	0.046	0	0	0.009	---	---	MEAN
MAX	---	---	0.430	0.843	0.098	0.255	0.201	0.002	0	0.015	---	---	MAX
MIN	---	---	0	0.030	0.029	0.031	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.067
MAXIMUM DAILY, 0.843 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.07 AT 21:45 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 21 N
LONG 113 47 38 W
DRAINAGE AREA, 256 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	123
FEB	---	AUG	0.17
MAR	203	SEP	0
APR	626	OCT	24.1
MAY	177	NOV	---
JUN	259	DEC	---

TOTAL DISCHARGE, 1 410 dam³

BEAVER LAKE AT RANGER STATION - STATION NO. 06AA003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.701	1.671	1.670	1.609	1.579	1.578	---	1
2	---	---	1.632	---	---	1.701	1.670	1.670	1.609	1.579	1.578	---	2
3	---	---	---	---	---	1.711	1.670	1.670	1.609	1.578	1.578	---	3
4	---	---	---	---	---	1.711	1.680	1.670	1.609	1.578	1.578	---	4
5	---	---	---	---	---	1.711	1.690	1.670	1.609	1.578	1.578	---	5
6	---	---	---	---	---	1.711	1.700	1.670	1.609	1.578	1.578	---	6
7	---	---	---	---	---	1.711	1.700	1.670	1.609	1.578	1.578	---	7
8	---	---	---	---	---	1.709	---	1.680	1.589	1.578	1.578	---	8
9	---	---	---	---	1.661	1.711	---	1.680	1.589	1.578	1.578	---	9
10	---	---	---	---	---	1.711	---	1.680	1.589	1.578	1.578	---	10
11	---	---	---	---	---	1.711	---	1.680	1.589	1.578	1.578	---	11
12	---	---	---	---	---	1.711	---	1.680	1.589	1.578	1.578	---	12
13	---	---	---	---	1.662	1.711	---	1.670	1.589	1.578	1.578	---	13
14	---	---	---	---	---	1.711	---	1.670	1.579	1.578	---	---	14
15	---	---	---	---	1.671	1.711	---	1.650	1.579	1.578	---	---	15
16	---	---	---	---	1.671	1.701	---	1.650	1.579	1.578	---	---	16
17	---	---	---	---	1.671	1.701	---	1.650	1.579	1.578	---	---	17
18	---	---	---	---	1.671	1.681	---	1.639	1.579	1.578	---	---	18
19	---	---	---	---	1.671	1.681	---	1.649	1.579	1.578	---	---	19
20	---	---	---	---	1.671	1.681	---	1.649	1.579	1.578	---	---	20
21	---	---	---	---	1.671	1.681	1.680	1.649	1.579	1.578	---	---	21
22	---	---	---	---	1.671	1.681	---	1.649	1.579	1.578	---	---	22
23	---	---	---	---	1.671	1.681	---	1.609	1.579	1.578	---	---	23
24	---	---	---	---	1.671	1.681	---	1.609	1.579	1.578	---	---	24
25	---	---	---	---	1.671	1.681	1.670	1.609	1.579	1.578	---	---	25
26	---	---	---	---	1.681	1.681	1.670	1.609	1.579	1.533	---	---	26
27	---	---	---	---	1.681	1.681	1.670	1.609	1.579	1.578	---	---	27
28	---	---	---	---	1.691	1.671	1.670	1.609	1.579	1.578	---	---	28
29	---		---	---	1.691	1.671	1.670	1.609	1.579	1.578	---	---	29
30	---		---	---	1.701	1.671	1.670	1.609	1.579	1.578	---	---	30
31	---		---		1.701		1.670	1.609		1.578		---	31
MEAN	---	---	---	---	---	1.696	---	1.648	1.588	1.577	---	---	MEAN
MAX	---	---	---	---	---	1.711	---	1.680	1.609	1.579	---	---	MAX
MIN	---	---	---	---	---	1.671	---	1.609	1.579	1.533	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 45 40 N
LONG 111 54 05 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.033B	0.019B	0.016B	0.020B	2.70 B	0.500	0.130	0.262	0.229	0.247	0.124B	0.064B	1
2	0.031B	0.019B	0.016B	0.020B	2.92	0.406	0.167	0.266	0.247	0.235	0.122B	0.064B	2
3	0.030B	0.019B	0.016B	0.020B	2.96	0.373	0.214	0.354	0.228	0.204	0.120B	0.063B	3
4	0.028B	0.019B	0.016B	0.020B	2.48	0.353	0.249	0.541	0.177	0.205	0.120B	0.063B	4
5	0.026B	0.018B	0.016B	0.020B	2.31	0.368	0.268	0.681	0.166	0.213	0.115B	0.062B	5
6	0.026B	0.018B	0.016B	0.020B	1.90	0.392	0.280	0.609	0.187	0.214	0.110B	0.062B	6
7	0.026B	0.018B	0.016B	0.020B	1.79	0.347	0.255	0.683	0.178	0.220	0.105B	0.061B	7
8	0.026B	0.018B	0.016B	0.020B	1.84	0.325	0.218	0.629	0.136	0.223	0.100B	0.061B	8
9	0.026B	0.018B	0.016B	0.020B	1.85	0.341	0.188	0.417	0.153	0.225	0.097B	0.061B	9
10	0.026B	0.017B	0.016B	0.022B	1.76	0.295	0.172	0.336	0.191	0.229	0.095B	0.060B	10
11	0.025B	0.017B	0.018B	0.025B	1.73	0.264	0.153	0.341	0.268	0.236	0.093B	0.060B	11
12	0.025B	0.017B	0.028B	0.038B	1.84	0.298	0.167	0.439	0.262	0.236	0.090B	0.060B	12
13	0.025B	0.017B	0.023B	0.040B	1.81	0.277	0.203	0.466	0.238	0.235	0.087B	0.060B	13
14	0.025B	0.017B	0.019B	0.050B	1.75	0.308	0.215	0.318	0.224	0.233	0.085B	0.059B	14
15	0.025B	0.016B	0.018B	0.065B	1.60	0.316	0.217	0.279	0.196	0.222	0.083B	0.059B	15
16	0.024B	0.016B	0.018B	0.090B	1.54	0.273	0.218	0.278	0.187	0.222	0.080B	0.059B	16
17	0.024B	0.016B	0.018B	0.215B	1.50	0.273	0.212	0.273	0.195	0.220E	0.078B	0.059B	17
18	0.023B	0.020B	0.018B	0.310B	1.51	0.274	0.225	0.272	0.213	0.200E	0.077B	0.058B	18
19	0.023B	0.018B	0.020B	0.440B	1.48	0.244	0.223	0.198	0.210	0.190B	0.076B	0.058B	19
20	0.022B	0.016B	0.022B	0.600B	1.40	0.218	0.239	0.165	0.194	0.180B	0.075B	0.057B	20
21	0.022B	0.016B	0.025B	1.00 B	1.39	0.211	0.254	0.209	0.189	0.175B	0.074B	0.056B	21
22	0.021B	0.016B	0.030B	1.35 B	1.25	0.212	0.235	0.218	0.215	0.170B	0.073B	0.055B	22
23	0.021B	0.016B	0.033B	2.02 B	1.18	0.193	0.320	0.216	0.217	0.160B	0.071B	0.054B	23
24	0.021B	0.016B	0.031B	1.55 B	1.44	0.202	0.596	0.271	0.224	0.155B	0.070B	0.053B	24
25	0.020B	0.016B	0.029B	1.79 B	1.37	0.201	0.553	0.294	0.233	0.150B	0.069B	0.052B	25
26	0.020B	0.016B	0.020B	1.91 B	1.26	0.136	0.426	0.276	0.230	0.145B	0.068B	0.051B	26
27	0.020B	0.016B	0.021B	1.88 B	1.18	0.136	0.329	0.256	0.240	0.140B	0.067B	0.050B	27
28	0.020B	0.016B	0.020B	2.15 B	1.09	0.133	0.283	0.243	0.251	0.135B	0.066B	0.049B	28
29	0.020B		0.021B	2.25 B	1.01	0.151	0.267	0.237	0.252	0.130B	0.065B	0.048B	29
30	0.020B		0.020B	2.45 B	0.935	0.116	0.255	0.239	0.254	0.130B	0.064B	0.047B	30
31	0.020B		0.020B		0.667		0.257	0.235		0.125B		0.047B	31
TOTAL	0.744	0.481	0.638	20.417	51.442	8.136	7.988	10.497	6.384	6.004	2.619	1.772	TOTAL
MEAN	0.024	0.017	0.021	0.681	1.66	0.271	0.258	0.339	0.213	0.194	0.087	0.057	MEAN
MAX	0.033	0.020	0.036	2.45	2.96	0.500	0.596	0.683	0.268	0.247	0.124	0.064	MAX
MIN	0.020	0.016	0.016	0.020	0.667	0.116	0.130	0.165	0.136	0.125	0.064	0.047	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.321
MAXIMUM DAILY, 2.96 ON MAY 3
MINIMUM DAILY, 0.016B ON FEB 15
MAXIMUM INSTANTANEOUS,
3.18 AT 03:46 MST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 29 N
LONG 111 33 54 W
DRAINAGE AREA, 164 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	64.3	JUL	690
FEB	41.6	AUG	907
MAR	55.1	SEP	552
APR	1 760	OCT	519
MAY	4 440	NOV	226
JUN	703	DEC	153

TOTAL DISCHARGE, 10 100 dam³

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.70B	1.45B	1.28B	1.90B	45.0	18.8 E	5.30	6.92	5.89	3.88	3.30B	1.89B	1
2	1.65B	1.45B	1.28B	1.90B	42.5	17.9 E	5.30	7.10	5.65	3.90	3.18B	1.89B	2
3	1.60B	1.48B	1.28B	1.90B	38.3	17.0 E	5.40	7.62	5.33	3.94	3.02B	1.89B	3
4	1.55B	1.55B	1.28B	1.90B	35.6	15.8 E	5.90	8.17	5.27	3.82	2.90B	1.89B	4
5	1.50B	1.58B	1.28B	1.90B	33.5	14.9 E	7.20	8.29	5.02	3.74	2.78B	1.89B	5
6	1.50B	1.60B	1.29B	1.90B	32.6	14.2 E	8.50	8.95	4.77	3.57	2.68B	1.89B	6
7	1.45B	1.58B	1.30B	1.92B	32.3	13.8 E	11.1	9.93	4.64	3.55	2.6uB	1.89B	7
8	1.45B	1.56B	1.30B	1.95B	30.9	14.1 E	12.1	10.5	4.42	3.48	2.52B	1.89B	8
9	1.40B	1.52B	1.31B	1.98B	30.1	13.9 E	14.0	10.4	4.27	3.44	2.44B	1.89B	9
10	1.40B	1.48B	1.32B	2.02B	28.9	13.7 A	15.7	9.81	4.22	3.44	2.38B	1.89B	10
11	1.40B	1.44B	1.34B	2.08B	28.1	13.5	14.6	9.12	4.29	3.46	2.32B	1.89B	11
12	1.40B	1.42B	1.36B	2.16B	26.6	13.1	13.4	8.64	4.21	3.40	2.27B	1.89B	12
13	1.45B	1.40B	1.38B	2.34B	25.8	12.6	13.2	8.11	4.01	3.41	2.21B	1.89B	13
14	1.50B	1.38B	1.40B	2.52B	24.8	11.8	12.6	7.45	3.94	3.22	2.16B	1.90B	14
15	1.55B	1.37B	1.44B	2.78B	24.0	11.6	11.8	7.23	3.93	3.10	2.12B	1.90B	15
16	1.55B	1.36B	1.48B	3.20B	22.4	11.7	10.8	7.05	5.27	3.16	2.09B	1.90B	16
17	1.55B	1.35B	1.56B	3.70B	21.3	10.7	10.6	6.97	6.13	3.21	2.05B	1.90B	17
18	1.50B	1.34B	1.62B	4.60B	20.4	10.1	11.9	6.55	5.98	3.23	2.02B	1.90B	18
19	1.50B	1.33B	1.70B	5.91B	19.0	9.65	12.9	6.27	5.61	3.32	2.00B	1.90B	19
20	1.45B	1.32B	1.78B	8.40B	18.7	9.30	12.0	6.07	5.30	3.28B	1.98B	1.90B	20
21	1.45B	1.31B	1.80B	11.0 B	18.3	8.60	11.1	5.91	5.02	3.28B	1.96B	1.90B	21
22	1.45B	1.30B	1.86B	14.5 B	17.9	8.10	10.7	5.69	4.74	3.32B	1.94B	1.90B	22
23	1.45B	1.30B	1.92B	18.5 B	16.4	7.70	10.2	5.32	4.51	3.27B	1.92B	1.90B	23
24	1.45B	1.30B	1.94B	23.0 B	17.8A	7.40	10.2	5.19	4.49	3.30B	1.91B	1.90B	24
25	1.50B	1.30B	1.96B	27.5 B	21.5E	6.70	10.5	5.04	4.37	3.43B	1.90B	1.90B	25
26	1.55B	1.29B	1.98B	39.9	23.0E	6.30	10.2	4.93	4.18	3.46B	1.90B	1.90B	26
27	1.55B	1.28B	1.98B	41.9	23.3E	6.15	9.59	4.71	4.10	3.54B	1.89B	1.91B	27
28	1.50B	1.28B	1.96B	43.0	22.8E	5.75	8.95	4.58	4.06	3.69B	1.89B	1.92B	28
29	1.50B		1.94B	47.7	22.0E	5.55	8.67	4.53	4.03	3.67B	1.89B	1.93B	29
30	1.50B		1.92B	47.4	21.0E	5.40	8.00	5.09	3.89	3.60B	1.89B	1.94B	30
31	1.45B		1.90B		20.0E		7.55	5.77		3.48B		1.95B	31
TOTAL	46.40	39.32	49.14	371.36	804.8	335.80	319.96	217.91	141.54	107.59	68.11	58.92	TOTAL
MEAN	1.50	1.40	1.59	12.4	26.0	11.2	10.3	7.03	4.72	3.47	2.27	1.90	MEAN
MAX	1.70	1.60	1.98	47.7	45.0	18.8	15.7	10.5	6.13	3.94	3.30	1.95	MAX
MIN	1.40	1.28	1.28	1.90	16.4	5.40	5.30	4.53	3.89	3.10	1.89	1.89	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.02
MAXIMUM DAILY, 47.7 ON APR 29
MINIMUM DAILY, 1.28B ON FEB 27
MAXIMUM INSTANTANEOUS,
48.6 AT 05:00 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 20 N
LONG 110 13 00 W
DRAINAGE AREA, 14 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 010	JUL	27 600
FEB	3 400	AUG	18 800
MAR	4 250	SEP	12 200
APR	32 100	OCT	9 300
MAY	69 500	NOV	5 880
JUN	29 000	DEC	5 090

TOTAL DISCHARGE, 221 000 dam³

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.004B	0.420B	8.05	1.17	0.100E	0.060E	0.190E	0.050E	---	---	1
2	---	---	0.008B	0.420B	7.13	1.11	0.120E	0.080E	0.200E	0.050E	---	---	2
3	---	---	0.012B	0.420B	6.30	1.02	0.160E	0.140E	0.180E	0.050E	---	---	3
4	---	---	0.017B	0.420B	5.56	0.967	0.350E	0.300E	0.160E	0.050E	---	---	4
5	---	---	0.022B	0.420B	4.97	0.943	0.650E	0.600E	0.140E	0.050E	---	---	5
6	---	---	0.028B	0.430B	4.52	0.915	1.20 E	0.380E	0.100E	0.050E	---	---	6
7	---	---	0.036B	0.440B	4.19	0.891	0.950E	0.240E	0.080E	0.050E	---	---	7
8	---	---	0.044B	0.460B	3.42	0.891	0.680E	0.200E	0.070E	0.050E	---	---	8
9	---	---	0.053B	0.500B	3.02	0.885	0.480E	0.170E	0.062E	0.050E	---	---	9
10	---	---	0.062B	0.540B	2.76	0.832	0.350E	0.140E	0.058E	0.050E	---	---	10
11	---	---	0.079B	0.580B	2.58	0.752	0.230E	0.100E	0.056E	0.050E	---	---	11
12	---	---	0.094B	0.700B	2.39	0.663	0.180E	0.080E	0.054E	0.050E	---	---	12
13	---	---	0.108B	0.820B	2.20	0.591	0.130E	0.060E	0.052E	0.050E	---	---	13
14	---	---	0.132B	1.05 B	2.02	0.559	0.150E	0.060E	0.050E	0.050E	---	---	14
15	---	---	0.158B	1.30 B	1.81	0.552	0.200E	0.080E	0.050E	0.050E	---	---	15
16	---	---	0.202B	1.80 B	1.64	0.552	0.360E	0.120E	0.050E	0.050E	---	---	16
17	---	---	0.240B	2.30 B	1.49	0.538	0.400E	0.120E	0.050E	0.050E	---	---	17
18	---	---	0.280B	3.00 B	1.34	0.509	0.280E	0.100E	0.050E	0.050E	---	---	18
19	---	---	0.320B	3.74 B	1.24	0.480E	0.200E	0.080E	0.050E	0.050E	---	---	19
20	---	---	0.360B	5.00 B	1.22	0.430E	0.150E	0.080E	0.050E	0.050E	---	---	20
21	---	---	0.400B	6.30 B	1.19	0.370E	0.100E	0.080E	0.050E	0.050E	---	---	21
22	---	---	0.420B	8.70 B	1.17	0.348E	0.070E	0.100E	0.050E	0.050E	---	---	22
23	---	---	0.440B	11.0 B	1.26	0.310E	0.100E	0.120E	0.050E	0.050E	---	---	23
24	---	---	0.460B	14.2 B	1.43	0.280E	0.150E	0.160E	0.050E	0.050E	---	---	24
25	---	---	0.480B	15.8 B	1.60	0.250E	0.200E	0.180E	0.050E	0.050E	---	---	25
26	---	---	0.500B	14.8	1.62	0.220E	0.180E	0.200E	0.050E	0.050E	---	---	26
27	---	---	0.484B	13.2	1.58	0.190E	0.140E	0.180E	0.050E	0.050E	---	---	27
28	---	---	0.468B	11.4	1.48	0.160E	0.100E	0.150E	0.050E	0.050E	---	---	28
29	---		0.452B	9.96	1.39	0.120E	0.080E	0.130E	0.050E	0.050E	---	---	29
30	---		0.436B	8.99	1.29	0.100E	0.060E	0.150E	0.050E	0.050E	---	---	30
31	---		0.420B		1.21		0.050E	0.170E		0.050E		---	31
TOTAL	---	---	7.219	139.110	83.07	17.590	8.550	4.810	2.252	1.550	---	---	TOTAL
MEAN	---	---	0.233	4.64	2.68	0.586	0.276	0.155	0.075	0.050	---	---	MEAN
MAX	---	---	0.500	15.8	8.05	1.17	1.20	0.600	0.200	0.050	---	---	MAX
MIN	---	---	0.004	0.420	1.17	0.100	0.050	0.060	0.050	0.050	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 15.8B ON APR 25
MINIMUM DAILY, 0.004B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 08 N
LONG 111 22 00 W
DRAINAGE AREA, 4 710 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	739
FEB	---	AUG	416
MAR	624	SEP	195
APR	12 000	OCT	134
MAY	7 180	NOV	---
JUN	1 520	DEC	---

TOTAL DISCHARGE, 22 800 dam³

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.006B	0.003	0.002A	0.028	0.007	0.009	0.007	---	---	1
2	---	---	0 B	0 B	0.002	0	0.020	0.007	0.005	0.006	---	---	2
3	---	---	0 B	0 B	0.003	0	0.038	0.005	0.002	0.005	---	---	3
4	---	---	0 B	0 B	0.006	0.002	0.031	0.005	0.001	0.004	---	---	4
5	---	---	0 B	0 B	0.003	0.025	0.049	0.005	0.012	0.003	---	---	5
6	---	---	0 B	0 B	0.001	0.040	0.028	0.004	0.011	0.003	---	---	6
7	---	---	0 B	0 B	0.005	0.038	0.017	0.002	0.007	0.003	---	---	7
8	---	---	0 B	0.082B	0.007	0.020	0.022	0.002	0.004	0.003	---	---	8
9	---	---	0 B	0.165B	0.010	0.010	0.015	0.002	0.002	0.002	---	---	9
10	---	---	0 B	0.247B	0.006	0.011	0.010	0.004	0.002	0.002	---	---	10
11	---	---	0 B	0.333B	0.002	0.009	0.006	0.005	0.006	0.002	---	---	11
12	---	---	0 B	0.238B	0	0.005	0.005	0.002	0.005	0.002	---	---	12
13	---	---	0 B	0.275B	0.002	0.003	0.009	0.001	0.005	0.002	---	---	13
14	---	---	0 B	0.332B	0.001	0.002	0.009	0.001	0.004	0.002	---	---	14
15	---	---	0 B	0.170B	0	0	0.006	0.005	0.004	0.002	---	---	15
16	---	---	0 B	0.189B	0.004	0	0.005	0.005	0.005	0.002	---	---	16
17	---	---	0 B	0.207B	0.005	0.004	0.004	0.004	0.005	0.003	---	---	17
18	---	---	0 B	0.265B	0.003	0.002	0.004	0.002	0.003	0.002	---	---	18
19	---	---	0 B	0.185B	0.005	0.002	0.004	0	0.001	0.002	---	---	19
20	---	---	0 B	0.063	0.005E	0.001	0.009	0	0	0.001	---	---	20
21	---	---	0 B	0.083	0.003E	0.005	0.019	0	0	0.003	---	---	21
22	---	---	0 B	0.096	0.001E	0.026	0.011	0.001	0	0.005	---	---	22
23	---	---	0 B	0.028	0 E	0.028	0.006	0.001	0	0.004	---	---	23
24	---	---	0 B	0.003	0 E	0.015	0.004	0.003	0	0.003	---	---	24
25	---	---	0 B	0.008	0.023E	0.011	0.004	0.004	0	0.003	---	---	25
26	---	---	0 B	0.002	0.045E	0.008	0.005	0.011	0.004	0.003	---	---	26
27	---	---	0.040B	0.001	0.068E	0.009	0.004	0.023	0.014	0.003	---	---	27
28	---	---	0.079B	0.002	0.052E	0.021	0.003	0.022	0.011	0.003	---	---	28
29	---		0.119B	0.002	0.035E	0.034	0.002	0.016	0.011	0.003A	---	---	29
30	---		0.073B	0.003	0.019E	0.036	0.002	0.011	0.010	0.003E	---	---	30
31	---		0.040B		0.002E		0.003	0.011		0.003E		---	31
TOTAL	---	---	0.351	2.945	0.321	0.369	0.382	0.171	0.143	0.094	---	---	TOTAL
MEAN	---	---	0.011	0.098	0.010	0.012	0.012	0.006	0.005	0.003	---	---	MEAN
MAX	---	---	0.119	0.333	0.068	0.040	0.049	0.023	0.014	0.007	---	---	MAX
MIN	---	---	0	0	0	0	0.002	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.333B ON APR 11
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 45 N
LONG 114 26 20 W
DRAINAGE AREA, 45.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.0
FEB	---	AUG	14.8
MAR	30.3	SEP	12.4
APR	254	OCT	8.12
MAY	27.7	NOV	---
JUN	31.9	DEC	---

TOTAL DISCHARGE, 412 dam³

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	7.76	0.078	0	1.73	0.020	0.003E	---	---	1
2	---	---	0B	0 B	6.17	0.069	0	1.16	0.026	0.003E	---	---	2
3	---	---	0B	0 B	4.79	0.044	0.009	0.800	0.032	0.003E	---	---	3
4	---	---	0B	0 B	3.80	0.028	0.068	1.59	0.038	0.003E	---	---	4
5	---	---	0B	0 B	2.77	0.025	0.093	1.13	0.037	0.010E	---	---	5
6	---	---	0B	0 B	1.96	0.035	0.064	0.769	0.036	0.008E	---	---	6
7	---	---	0B	0 B	1.36	0.029	0.066	0.561	0.038	0.006E	---	---	7
8	---	---	0B	0 B	0.905	0.007	0.075	0.418	0.034	0.004E	---	---	8
9	---	---	0B	0 B	0.610	0.004	0.084	0.276	0.024	0.005E	---	---	9
10	---	---	0B	0 B	0.450	0.003	0.068	0.154	0.031	0.006E	---	---	10
11	---	---	0B	0 B	0.416	0.003	0.055	0.130	0.034	0.007E	---	---	11
12	---	---	0B	0 B	0.434	0.003	0.046	0.071	0.039	0.008E	---	---	12
13	---	---	0B	0 B	0.303	0.002	0.038	0.041	0.035	0.009E	---	---	13
14	---	---	0B	0 B	0.227	0.001	0.014	0.026	0.035	0.010E	---	---	14
15	---	---	0B	0 B	0.190	0.001	0.013	0.016	0.027	0.010E	---	---	15
16	---	---	0B	0 B	0.153	0.001	0.004	0.025	0.019	0.013E	---	---	16
17	---	---	0B	0.400B	0.117	0	0.017	0.020	0.014	0.017E	---	---	17
18	---	---	0B	1.00 B	0.162	0	0.022	0.019	0.009	0.020E	---	---	18
19	---	---	0B	0.800B	0.169	0	0.363	0.015	0.003	0.022E	---	---	19
20	---	---	0B	0.750B	0.182	0	0.888	0.015	0	0.024E	---	---	20
21	---	---	0B	3.48 B	0.154	0	0.800	0.012	0	0.026E	---	---	21
22	---	---	0B	10.8 B	0.154	0	2.94	0.008	0	0.028E	---	---	22
23	---	---	0B	15.1 B	0.163	0	19.8	0.002	0	0.030E	---	---	23
24	---	---	0B	18.8 B	0.137	0	19.1	0	0.001	0.033E	---	---	24
25	---	---	0B	23.1 B	0.101	0	17.7	0	0	0.036E	---	---	25
26	---	---	0B	24.2	0.095	0	11.2	0	0	0.040E	---	---	26
27	---	---	0B	24.6	0.087	0	6.62	0	0	0.043A	---	---	27
28	---	---	0B	16.4	0.090	0	4.98	0	0.012	0.043E	---	---	28
29	---		0B	12.3	0.086	0	3.91	0	0.008	0.043E	---	---	29
30	---		0B	9.74	0.073	0	2.98	0.003	0.003A	0.043E	---	---	30
31	---		0B		0.072		2.25	0.013		0.043E		---	31
TOTAL	---	---	0	161.470	34.140	0.333	98.257	9.004	0.555	0.599	---	---	TOTAL
MEAN	---	---	0	5.38	1.10	0.011	3.04	0.290	0.019	0.019	---	---	MEAN
MAX	---	---	0	24.6	7.76	0.078	19.8	1.73	0.039	0.043	---	---	MAX
MIN	---	---	0	0	0.072	0	0	0	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 24.6 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.1 AT 07:10 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 21 N
LONG 112 56 57 W
DRAINAGE AREA, 2 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 140
FEB	---	AUG	778
MAR	0	SEP	48.0
APR	14 000	OCT	51.8
MAY	2 950	NOV	---
JUN	28.8	DEC	---

TOTAL DISCHARGE, 26 000 dam³

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	22.2	1.53	0.030	2.90	2.40	0.337	0.857B	0.478B	1
2	0B	0B	0B	0 B	15.2	1.28	0.060	13.5	2.10	0.610	0.754B	0.503B	2
3	0B	0B	0B	0 B	11.6	1.10	0.119	52.9	1.86	0.570	0.512B	0.450B	3
4	0B	0B	0B	0 B	9.04	0.989	0.125	41.8	1.50	0.432	0.443B	0.424B	4
5	0B	0B	0B	0 B	7.96	1.16	0.118	32.8	1.43	0.349	0.448B	0.404B	5
6	0B	0B	0B	0 B	7.10	1.59	0.080	31.2	1.33	0.370	0.374B	0.375B	6
7	0B	0B	0B	0 B	6.64	1.84	0.056	30.4	1.24	0.453	0.346B	0.373B	7
8	0B	0B	0B	0 B	6.31	1.83	0.165	30.0	1.19	0.462	0.311B	0.381B	8
9	0B	0B	0B	0 B	6.13	1.70	0.129	28.2	1.15	0.427	0.486B	0.401B	9
10	0B	0B	0B	0 B	6.02	1.56	0.094	25.3	1.22	0.399	0.310B	0.402B	10
11	0B	0B	0B	0 B	5.81	1.34	0.068	22.0	1.33	0.393	0.301B	0.387B	11
12	0B	0B	0B	0 B	5.61	1.21	0.061	18.6	1.31	0.680	0.290B	0.394B	12
13	0B	0B	0B	0 B	5.21	1.04	0.054	15.7	1.25	0.758	0.268B	0.418B	13
14	0B	0B	0B	0 B	5.04	0.866	1.03	13.6	1.19	1.53	0.268B	0.413B	14
15	0B	0B	0B	0 B	5.19	0.825	17.2	11.7	1.39	1.90	0.265B	0.405B	15
16	0B	0B	0B	0.001B	4.97	0.667	6.66	9.88	1.20	1.67	0.259B	0.430B	16
17	0B	0B	0B	0.001B	4.82	0.572	3.84	9.48	1.09	1.29	0.256B	0.439B	17
18	0B	0B	0B	0 B	4.63	0.483	3.68	7.52	0.972	1.05	0.226B	0.449B	18
19	0B	0B	0B	0 B	4.44	0.395	4.01	6.17	0.859	0.787	0.220B	0.451B	19
20	0B	0B	0B	0.001B	4.16	0.332	4.39	5.19	0.767	0.744	0.217B	0.461B	20
21	0B	0B	0B	0 B	3.87	0.233	4.71	4.44	0.724	0.794	0.268B	0.452B	21
22	0B	0B	0B	0.634B	3.62	0.180	4.95	4.12	0.720	0.896	0.351B	0.439B	22
23	0B	0B	0B	3.28 B	3.37	0.143	5.51	3.65	0.671	1.02	0.406B	0.421B	23
24	0B	0B	0B	4.52 B	3.19	0.136	5.74	3.25	0.633	1.38	0.462B	0.409B	24
25	0B	0B	0B	6.24 B	2.91	0.075	5.41	3.17	0.609	1.92	0.493B	0.342B	25
26	0B	0B	0B	14.7 B	2.74	0.089	4.82	3.02	0.544	1.70	0.546B	0.293B	26
27	0B	0B	0B	30.7	2.48	0.069	4.25	2.93	0.470	1.39	0.578B	0.273B	27
28	0B	0B	0B	40.1	2.24	0.058	3.68	2.84	0.431	1.16	0.604B	0.279B	28
29	0B		0B	35.6	2.00	0.044	3.26	2.72	0.386	0.798B	0.490B	0.259B	29
30	0B		0B	29.9	1.77	0.032	2.86	2.54	0.357	1.07 B	0.481B	0.248B	30
31	0B		0B		1.77		2.44	2.91		0.954B		0.235B	31
TOTAL	0	0	0	165.677	178.04	23.368	89.599	444.43	32.323	28.293	12.090	12.084	TOTAL
MEAN	0	0	0	5.52	5.74	0.779	2.89	14.3	1.08	0.913	0.403	0.390	MEAN
MAX	0	0	0	40.1	22.2	1.84	17.2	52.9	2.40	1.92	0.857	0.503	MAX
MIN	0	0	0	0	1.77	0.032	0.030	2.54	0.357	0.337	0.217	0.235	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.70
MAXIMUM DAILY, 52.9 ON AUG 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
55.9 AT 06:30 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 21 N
LONG 119 26 08 W
DRAINAGE AREA, 1 610 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	7 740
FEB	0	AUG	38 400
MAR	0	SEP	2 790
APR	14 300	OCT	2 440
MAY	15 400	NOV	1 040
JUN	2 020	DEC	1 040

TOTAL DISCHARGE, 85 200 dam³

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0E	0 E	5.25	9.14	21.8	11.4	15.6	5.51	0	0E	1
2	0E	0E	0E	0 E	6.03	9.51	21.5	11.1	8.26	5.42	0	0E	2
3	0E	0E	0E	0 E	8.88	9.38	21.5	16.5	8.01	5.46	0A	0E	3
4	0E	0E	0E	0 E	17.6	9.11	21.2	20.4	8.24	5.56	0E	0E	4
5	0E	0E	0E	0 E	26.2	9.16	21.3	20.9	8.52	5.53	0E	0E	5
6	0E	0E	0E	0 E	32.8	9.27	21.3	22.7	8.76	5.49	0E	0E	6
7	0E	0E	0E	0 E	36.7	9.30	21.1	22.5	8.63	5.42	0E	0E	7
8	0E	0E	0E	0 E	37.4	8.54	21.1	22.5	7.04	5.45	0E	0E	8
9	0E	0E	0E	0 E	37.3	8.27	23.4	25.8	5.93	5.47	0E	0E	9
10	0E	0E	0E	0 E	36.9	8.53	26.3	30.8	5.71	5.62	0E	0E	10
11	0E	0E	0E	0 E	36.0	9.26	27.3	31.6	5.69	5.60	0E	0E	11
12	0E	0E	0E	0 E	35.3	9.62	21.2	31.5	5.82	5.65	0E	0E	12
13	0E	0E	0E	0 E	35.7	9.69	13.4	31.0	5.79	5.68	0E	0E	13
14	0E	0E	0E	0 E	37.7	9.71	13.0	25.8	5.76	5.65	0E	0E	14
15	0E	0E	0E	0 E	39.2	9.73	21.4	25.0	5.71	3.13	0E	0E	15
16	0E	0E	0E	0 E	40.3	9.88	29.5	24.5	5.72	0.009	0E	0E	16
17	0E	0E	0E	0 E	40.5	10.2	29.5	23.6	5.71	0.006	0E	0E	17
18	0E	0E	0E	0 E	40.6	10.1	28.9	23.5	5.71	0.006	0E	0E	18
19	0E	0E	0E	0 E	40.9	9.96	27.9	23.4	5.75	0.008	0E	0E	19
20	0E	0E	0E	0 A	40.7	9.93	27.4	23.5	5.72	0.006	0E	0E	20
21	0E	0E	0E	0	40.3	10.0	27.5	23.5	5.52	0.003	0E	0E	21
22	0E	0E	0E	0	40.2	9.95	27.8	23.5	5.53	0	0E	0E	22
23	0E	0E	0A	0	35.6	14.9	27.3	23.3	5.54	0	0E	0E	23
24	0E	0E	0E	0	25.5	21.2	25.5	23.0	5.49	0	0E	0E	24
25	0E	0E	0E	0	20.1	21.4	24.4	22.7	5.42	0	0E	0E	25
26	0E	0E	0E.	0	20.4	21.4	18.1	22.7	5.45	0	0E	0E	26
27	0E	0E	0E	1.91	14.8	21.5	11.6	22.6	5.52	0	0E	0E	27
28	0E	0E	0E	4.15	9.10	21.6	11.5	22.7	5.64	0	0E	0E	28
29	0E		0E	4.89	9.30	21.6	11.4	24.2	5.58	0	0E	0E	29
30	0E		0E	5.12	9.13	21.7	11.4	23.8	5.55	0	0E	0E	30
31	0E		0E		9.12		11.3	22.1		0		0E	31
TOTAL	0	0	0	16.07	865.51	373.54	667.8	722.1	197.32	80.678	0	0	TOTAL
MEAN	0	0	0	0.536	27.9	12.5	21.5	23.3	6.58	2.60	0	0	MEAN
MAX	0	0	0	5.12	40.9	21.7	29.5	31.6	15.6	5.68	0	0	MAX
MIN	0	0	0	0	5.25	8.27	11.3	11.1	5.42	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.01
MAXIMUM DAILY, 40.9 ON MAY 19
MINIMUM DAILY, 0E ON JAN 1

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 10 N
LONG 113 33 07 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	57 700
FEB	0	AUG	62 400
MAR	0	SEP	17 000
APR	1 390	OCT	6 970
MAY	74 800	NOV	0
JUN	32 300	DEC	0

TOTAL DISCHARGE, 253 000 dam³

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.16 B	1.36B	1.90 B	0.750B	5.32	17.1	35.0	12.2 A	2.05A	3.48	3.86	2.52B	1
2	1.10 B	1.34B	1.94 B	0.740B	6.31	17.0	32.9	9.46E	2.15E	3.55	3.61	2.44B	2
3	1.06 B	1.29B	1.99 B	0.750B	7.93	20.2	30.9	6.71A	2.24E	3.85	3.52	2.38B	3
4	1.04 B	1.27B	1.94 B	0.800B	8.04	25.5	28.4	7.36E	2.34A	3.85	3.33	2.36B	4
5	1.02 B	1.25B	1.92 B	0.850B	7.68	30.7	25.9	8.00A	2.38E	3.78	3.33	2.28B	5
6	1.00 B	1.23B	1.80 B	0.840B	7.30	32.3	21.4	6.64A	2.41E	3.77	3.29	2.20B	6
7	0.990B	1.20B	1.66 B	0.820B	7.21	30.4	18.9	6.59E	2.45A	3.49	3.17	2.12B	7
8	0.970B	1.18B	1.55 B	0.840B	7.46	25.8	18.3	6.54A	2.54E	3.33	2.93B	2.00B	8
9	0.960B	1.16B	1.48 B	0.860B	7.21	22.7	18.0	6.47E	2.62E	3.14	2.80B	1.92B	9
10	0.970B	1.15B	1.49 B	0.940B	6.76	23.8	18.1	6.40A	2.71A	2.95	2.68B	1.72B	10
11	0.980B	1.16B	1.50 B	0.970B	6.30	28.5	18.2	6.51E	2.79E	2.87	2.60B	1.80B	11
12	0.990B	1.18B	1.51 B	0.990B	6.23	34.4	18.2	6.61A	2.87E	2.81	2.56B	1.96B	12
13	1.00 B	1.19B	1.52 B	1.01 B	6.82	39.7	18.2	6.13E	2.95A	2.48	2.52B	2.04B	13
14	1.04 B	1.20B	1.48 B	1.04 B	8.33	43.9	18.2	5.66E	2.88E	1.96	2.50B	2.09B	14
15	1.05 B	1.22B	1.44 B	1.07 B	11.2	43.2	18.4	5.18A	2.81E	2.05	2.48B	2.04B	15
16	1.04 B	1.24B	1.32 B	1.12 B	14.8	44.6	17.9	4.70A	2.74E	2.24	2.44B	2.00B	16
17	1.03 B	1.27B	1.20 B	1.20 B	16.8	42.0	15.7	4.61E	2.67A	2.51	2.36B	1.80B	17
18	1.04 B	1.32B	1.15 B	1.30 B	19.3	37.7	13.7	4.51A	2.64E	2.65	2.31B	1.64B	18
19	1.04 B	1.40B	1.10 B	1.50 B	20.5	36.1	13.0	4.47E	2.60E	2.59	2.28B	1.60B	19
20	1.05 B	1.45B	1.06 B	1.75 B	19.4	37.5	13.4	4.44E	2.57E	3.04	2.26B	1.58B	20
21	1.05 B	1.50B	1.04 B	2.17 B	19.4	38.6	14.3	4.40A	2.53A	3.89	2.32B	1.56B	21
22	1.06 B	1.53B	1.02 B	3.36 B	21.9	40.6	14.2	4.24E	2.54E	3.79	2.60B	1.53B	22
23	1.10 B	1.56B	0.980B	4.12 B	27.0	40.6	13.2	4.07E	2.54E	4.04	2.78B	1.50B	23
24	1.12 B	1.54B	0.950B	3.79	28.0	36.5	11.8	3.91A	2.55A	4.22	2.83B	1.46B	24
25	1.18 B	1.56B	0.920B	3.46	29.4	32.7	10.9	3.64A	2.84E	4.42	2.96B	1.42B	25
26	1.23 B	1.62B	0.890B	3.63	34.6	32.8	12.3	3.50E	3.12E	4.65	3.00B	1.36B	26
27	1.29 B	1.68B	0.860B	3.95	32.2	34.3	12.6	3.35E	3.41E	4.84	2.97B	1.32B	27
28	1.35 B	1.73B	0.820B	4.52	26.9	34.0	12.5	3.21A	3.69A	4.79	2.87B	1.30B	28
29	1.37 B		0.800B	5.07	21.3	31.7	12.4	2.07E	3.75	4.59	2.76B	1.28B	29
30	1.39 B		0.796B	4.94	18.6	34.8	12.4A	2.52A	3.58	4.27	2.65B	1.26B	30
31	1.38 B		0.760B		17.1		12.3E	2.29E		4.03		1.26B	31
TOTAL	34.050	37.78	40.786	59.150	477.30	989.7	551.6	167.19	81.96	107.92	84.53	55.74	TOTAL
MEAN	1.10	1.35	1.32	1.97	15.4	33.0	17.8	5.39	2.73	3.48	2.82	1.80	MEAN
MAX	1.39	1.73	1.99	5.07	34.6	44.6	35.0	12.2	3.75	4.84	3.86	2.52	MAX
MIN	0.960	1.15	0.760	0.740	5.32	17.0	10.9	2.29	2.05	1.96	2.26	1.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.36
MAXIMUM DAILY, 44.6 ON JUN 16
MINIMUM DAILY, 0.740B ON APR 2
MAXIMUM INSTANTANEOUS,
45.1 AT 09:25 MST ON JUN 16

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 00 N
LONG 113 41 48 W
DRAINAGE AREA, 319 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 940	JUL	47 700
FEB	3 260	AUG	14 400
MAR	3 520	SEP	7 080
APR	5 110	OCT	9 320
MAY	41 200	NOV	7 300
JUN	85 500	DEC	4 820

TOTAL DISCHARGE, 232 000 dam³

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.900B	1.42 B	2.72B	3.28B	2.47	16.9	26.9	18.2	2.89	7.69	4.62	2.88B	1
2	0.880B	1.40 B	2.68B	3.20B	2.36	15.7	25.9	18.7	2.84A	6.22	4.52	2.70B	2
3	0.880B	1.38 B	2.68B	3.16B	2.30	16.6	24.0	13.7	3.20E	6.07	4.11	2.60B	3
4	0.900B	1.34 B	2.65B	3.10B	2.24	21.1	22.6	3.49	3.30E	6.28	4.11	2.50B	4
5	0.940B	1.30 B	2.62B	3.08B	2.75	28.6	21.2	2.84	3.10E	6.40	4.10	2.38B	5
6	1.00 B	1.24 B	2.58B	3.08B	2.95	33.2	18.4	2.55	2.90E	6.74	4.16	2.15B	6
7	1.08 B	1.20 B	2.54B	3.18B	3.16	34.4	14.4	2.40	3.00E	6.88	4.46	1.85B	7
8	1.10 B	1.18 B	2.56B	3.38B	3.77	31.6	12.0	2.39	4.70E	6.60	3.59	1.55B	8
9	1.18 B	1.10 B	2.58B	3.80B	3.97	28.3	9.12	2.44	5.50E	5.94	3.25	1.42B	9
10	1.22 B	1.02 B	2.60B	5.20B	3.76	26.6	8.59	2.51	5.30E	5.43	3.68	1.45B	10
11	1.28 B	1.00 B	2.66B	6.80B	3.78	27.7	9.72	2.59	5.20E	5.06	3.39	1.60B	11
12	1.28 B	0.980B	2.76B	9.60B	4.29	31.3	12.4	2.63	5.00E	5.59	3.10B	1.80B	12
13	1.26 B	0.980B	2.86B	12.3 B	3.92	37.6	27.6	2.52	5.10E	5.95	2.80B	2.05B	13
14	1.18 B	1.00 B	2.88B	12.1 B	4.06	42.9	27.9	2.28	5.30E	5.85	2.55B	2.45B	14
15	1.14 B	1.10 B	2.86B	11.5 B	4.01	46.2	26.4	2.17	5.70E	5.69	2.48B	2.56B	15
16	1.12 B	1.14 B	2.86B	10.6 B	5.22	45.0	9.45	2.08	5.80E	6.23	2.25B	3.00B	16
17	1.10 B	1.20 B	2.80B	8.37	6.04	44.8	6.64	2.25	6.10E	3.80	2.00B	3.15B	17
18	1.08 B	1.42 B	2.72B	6.74	7.37	41.5	3.93	2.14	6.00E	4.09	1.75B	3.15B	18
19	1.05 B	1.88 B	2.70B	4.49	8.40	37.8	3.03	1.98	6.30E	4.50	1.50B	3.00B	19
20	1.03 B	2.30 B	2.74B	9.87	6.90	37.4	2.74	2.05	6.20E	4.15	1.35B	2.86B	20
21	1.06 B	2.78 B	2.80B	3.56	6.68	39.3	2.63	1.98	5.90E	4.19	1.20B	2.60B	21
22	1.08 B	3.02 B	2.86B	4.02	4.92	40.2	2.41	1.98	5.00E	4.88	1.16B	2.46B	22
23	1.10 B	3.04 B	2.92B	4.66	8.34	40.6	2.30	2.00	5.00E	4.67	1.18B	2.30B	23
24	1.12 B	3.02 B	3.10B	5.27	19.9	30.6	2.29	2.22	5.00E	5.06	1.30B	2.22B	24
25	1.15 B	2.96 B	3.16B	4.77	20.8	25.4	2.18	2.26	4.90E	5.25	1.48B	2.18B	25
26	1.20 B	2.88 B	3.26B	4.27	23.2	23.7	2.21	2.25	5.10E	5.14	2.05B	2.12B	26
27	1.26 B	2.82 B	3.30B	4.27	29.3	23.9	15.7	2.19	5.20E	5.20	2.62B	2.05B	27
28	1.32 B	2.78 B	3.32B	3.09	32.9	24.9	17.0	2.44	6.10E	5.42	3.08B	2.00B	28
29	1.34 B		3.34B	2.73	26.3	24.5	17.2	2.47	8.50A	5.55	3.00B	1.96B	29
30	1.38 B		3.32B	2.49	21.5	25.8	17.0	2.62	8.19	5.22	2.95B	1.92B	30
31	1.40 B		3.32B		19.4		17.6	2.94		4.81		1.90B	31
TOTAL	35.010	48.880	88.75	159.96	298.96	948.1	411.44	117.26	152.32	170.55	83.79	70.81	TOTAL
MEAN	1.13	1.75	2.86	5.33	9.64	31.5	13.3	3.78	5.08	5.50	2.79	2.28	MEAN
MAX	1.40	3.04	3.34	12.3	32.9	46.2	27.9	18.7	8.50	7.69	4.62	3.15	MAX
MIN	0.880	0.980	2.54	2.49	2.24	15.7	2.18	1.98	2.84	3.80	1.16	1.42	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.07
MAXIMUM DAILY, 46.2 ON JUN 15
MINIMUM DAILY, 0.880B ON JAN 2
MAXIMUM INSTANTANEOUS,
46.9 AT 09:30 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 113 18 10 W
DRAINAGE AREA, 1 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 020	JUL	35 500
FEB	4 220	AUG	10 100
MAR	7 670	SEP	13 200
APR	13 800	OCT	14 700
MAY	25 800	NOV	7 240
JUN	81 600	DEC	6 120

TOTAL DISCHARGE, 223 000 dam³

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.180	0.026	0.009	0.009	0.017	0.016	0.008B	0B	1
2	0B	0B	0B	0 B	0.143	0.025	0.010	0.009	0.017	0.016	0.007B	0B	2
3	0B	0B	0B	0 B	0.102	0.023	0.009	0.008	0.017	0.017	0.006B	0B	3
4	0B	0B	0B	0 B	0.111	0.022	0.008	0.008	0.018	0.017	0.005B	0B	4
5	0B	0B	0B	0 B	0.118	0.021	0.007	0.008	0.017	0.021	0.004B	0B	5
6	0B	0B	0B	0 B	0.123	0.022	0.007	0.008	0.016	0.021	0.003B	0B	6
7	0B	0B	0B	0 B	0.130	0.021	0.006	0.008	0.015	0.021	0.002B	0B	7
8	0B	0B	0B	0 B	0.124	0.021	0.005	0.008	0.014	0.021	0.001B	0B	8
9	0B	0B	0B	0 B	0.118	0.022	0.005	0.007	0.023	0.021	0.001B	0B	9
10	0B	0B	0B	0 B	0.112	0.021	0.004	0.007	0.025	0.021	0.001B	0B	10
11	0B	0B	0B	0 B	0.109	0.020	0.006	0.007	0.027	0.022	0 B	0B	11
12	0B	0B	0B	0 B	0.105	0.019	0.006	0.006	0.026	0.022	0 B	0B	12
13	0B	0B	0B	0 B	0.086	0.017	0.006	0.005	0.025	0.022	0 B	0B	13
14	0B	0B	0B	0 B	0.087	0.016	0.005	0.005	0.024	0.022	0 B	0B	14
15	0B	0B	0B	0 B	0.090	0.015	0.005	0.005	0.023	0.022	0 B	0B	15
16	0B	0B	0B	0 B	0.109	0.015	0.005	0.006	0.022	0.023	0 B	0B	16
17	0B	0B	0B	0 B	0.104	0.016	0.005	0.006	0.021	0.023	0 B	0B	17
18	0B	0B	0B	0.045B	0.101	0.015	0.005	0.006	0.020	0.023	0 B	0B	18
19	0B	0B	0B	0.090B	0.096	0.015	0.005	0.006	0.019	0.023	0 B	0B	19
20	0B	0B	0B	0.135B	0.094	0.014	0.006	0.006	0.018	0.022B	0 B	0B	20
21	0B	0B	0B	0.178B	0.090	0.014	0.006	0.006	0.016	0.020B	0 B	0B	21
22	0B	0B	0B	0.187B	0.086	0.014	0.005	0.006	0.013	0.018B	0 B	0B	22
23	0B	0B	0B	0.196B	0.083	0.015	0.004	0.007	0.012	0.017B	0 B	0B	23
24	0B	0B	0B	0.205	0.087	0.012	0.004	0.007	0.010	0.016B	0 B	0B	24
25	0B	0B	0B	0.216	0.081	0.011	0.005	0.008	0.009	0.015B	0 B	0B	25
26	0B	0B	0B	0.227	0.072	0.011	0.005	0.008	0.018	0.014B	0 B	0B	26
27	0B	0B	0B	0.238	0.060	0.010	0.006	0.008	0.017	0.013B	0 B	0B	27
28	0B	0B	0B	0.226	0.047	0.009	0.006	0.012	0.017	0.012B	0 B	0B	28
29	0B		0B	0.214	0.041	0.009	0.006	0.020	0.017	0.011B	0 B	0B	29
30	0B		0B	0.201	0.035	0.009	0.006	0.016	0.016	0.010B	0 B	0B	30
31	0B		0B		0.029		0.007	0.017		0.009B		0B	31
TOTAL	0	0	0	2.358	2.953	0.500	0.184	0.253	0.549	0.571	0.038	0	TOTAL
MEAN	0	0	0	0.079	0.095	0.017	0.006	0.008	0.018	0.018	0.001	0	MEAN
MAX	0	0	0	0.238	0.180	0.026	0.010	0.020	0.027	0.023	0.008	0	MAX
MIN	0	0	0	0	0.029	0.009	0.004	0.005	0.009	0.009	0	0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 0.238 ON APR 27
MINIMUM DAILY, 0B ON JAN 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 59 48 50 N
LONG 111 57 45 W
DRAINAGE AREA, 67.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	15.9
FEB	0	AUG	21.9
MAR	0	SEP	47.4
APR	204	OCT	49.3
MAY	255	NOV	3.28
JUN	43.2	DEC	0

TOTAL DISCHARGE, 640 dam³

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.004B	0.003E	0.002	0.004	0	0.002	0	---	---	1
2	---	---	0 B	0.002B	0.003E	0.003	0.001	0.001	0.002	0	---	---	2
3	---	---	0 B	0.001B	0.003E	0.003	0	0.001	0.002	0	---	---	3
4	---	---	0 B	0.001B	0.003A	0.003	0	0.001	0.003	0	---	---	4
5	---	---	0 B	0.001B	0.006	0.002	0	0.001	0.005	0	---	---	5
6	---	---	0 B	0.001B	0.006	0.002	0	0.001	0.006	0	---	---	6
7	---	---	0 B	0.001B	0.006	0.003	0	0.001	0.006	0	---	---	7
8	---	---	0 B	0.001B	0.007	0.003	0.001	0.001	0.001	0	---	---	8
9	---	---	0 B	0.002B	0.006	0.004	0.001	0		0	---	---	9
10	---	---	0 B	0.003B	0.005	0.004	0.001	0		0	---	---	10
11	---	---	0 B	0.005B	0.004	0.005	0.001	0	0	0	---	---	11
12	---	---	0 B	0.010B	0.006	0.003	0.001	0.001	0	0	---	---	12
13	---	---	0 B	0.019B	0.004	0.002	0.002	0.001	0	0	---	---	13
14	---	---	0 B	0.015B	0.002	0.002	0	0.002	0	0	---	---	14
15	---	---	0 B	0.010B	0.001	0.001	0	0.002	0	0	---	---	15
16	---	---	0 B	0.008E	0.001	0.001	0	0.002	0	0	---	---	16
17	---	---	0 B	0.007E	0.001	0.001	0	0.003	0	0	---	---	17
18	---	---	0 B	0.006E	0.001	0	0	0.002	0	0	---	---	18
19	---	---	0 B	0.005E	0.002	0	0	0.002	0	0	---	---	19
20	---	---	0 B	0.004A	0.002	0	0	0.002	0	0	---	---	20
21	---	---	0 B	0.004E	0.002	0	0	0.003	0	0	---	---	21
22	---	---	0 B	0.004E	0.002	0	0	0.003	0	0	---	---	22
23	---	---	0 B	0.004E	0.001	0	0	0.003	0	0	---	---	23
24	---	---	0 B	0.004E	0.001	0	0	0.003	0	0	---	---	24
25	---	---	0 B	0.004E	0.001	0.001	0	0.003	0	0	---	---	25
26	---	---	0 B	0.004E	0.001	0.001	0	0.004	0	0	---	---	26
27	---	---	0 B	0.004E	0.006	0.004	0	0.006	0	0	---	---	27
28	---	---	0.001B	0.003E	0.005	0.006	0	0.006	0	0	---	---	28
29	---		0.003B	0.003E	0.004	0.003	0	0.006	0	0	---	---	29
30	---		0.009B	0.003E	0.002	0.001	0	0.005	0	0	---	---	30
31	---		0.009B		0.002		0	0.002		0		---	31
TOTAL	---	---	0.022	0.143	0.099	0.060	0.012	0.068	0.027	0	---	---	TOTAL
MEAN	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	MEAN
MAX	---	---	0.009	0.019	0.007	0.006	0.004	0.006	0.006	0	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.019B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 45 N
LONG 111 40 53 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.04
FEB	---	AUG	5.88
MAR	1.90	SEP	2.33
APR	12.4	OCT	0
MAY	8.55	NOV	---
JUN	5.18	DEC	---

TOTAL DISCHARGE, 37.3 dam³

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.004	0	0	0	0	0	---	---	1
2	---	---	0	0		0	0	0	0	0	---	---	2
3	---	---	0	0		0	0	0	0	0	---	---	3
4	---	---	0	0		0	0	0	0	0	---	---	4
5	---	---	0	0		0	0	0	0	0	---	---	5
6	---	---	0	0		0	0	0	0	0	---	---	6
7	---	---	0	0		0	0	0	0	0	---	---	7
8	---	---	0	0		0	0	0	0	0	---	---	8
9	---	---	0	0		0	0	0	0	0	---	---	9
10	---	---	0	0		0	0	0	0	0	---	---	10
11	---	---	0	0		0	0	0	0	0	---	---	11
12	---	---	0	0		0	0	0	0	0	---	---	12
13	---	---	0	0		0	0	0	0	0	---	---	13
14	---	---	0	0		0	0	0	0	0	---	---	14
15	---	---	0	0.047		0	0	0	0	0	---	---	15
16	---	---	0	0.105		0	0	0	0	0	---	---	16
17	---	---	0	0.118		0	0	0	0	0	---	---	17
18	---	---	0	0.115		0	0	0	0	0	---	---	18
19	---	---	0	0.093		0	0	0	0	0	---	---	19
20	---	---	0	0.075		0	0	0	0	0	---	---	20
21	---	---	0	0.061		0	0	0	0	0	---	---	21
22	---	---	0	0.061		0	0	0	0	0	---	---	22
23	---	---	0	0.055		0	0	0	0	0	---	---	23
24	---	---	0	0.048		0	0	0	0	0	---	---	24
25	---	---	0	0.041		0	0	0	0	0	---	---	25
26	---	---	0	0.033		0	0	0	0	0	---	---	26
27	---	---	0	0.027		0	0	0	0	0	---	---	27
28	---	---	0	0.018		0	0	0	0	0	---	---	28
29	---		0	0.013		0	0	0	0	0	---	---	29
30	---		0	0.008		0	0	0	0	0	---	---	30
31	---		0			0		0		0		---	31
TOTAL	---	---	0	0.918	0.004	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.031	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.118	0.004	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.118 ON APR 17
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.120 AT 10:09 MST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 56 N
LONG 111 29 41 W
DRAINAGE AREA, 1 550 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	79.3	OCT	0
MAY	0.35	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 79.7 dam³

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002B	0.007	0.004	0.013	0.004	0.002	0.006	---	---	1
2	---	---	0 B	0.001B	0.005	0.005	0.016	0.014	0.002	0.004	---	---	2
3	---	---	0 B	0.002B	0.003	0.005	0.013	0.018	0.002	0.006	---	---	3
4	---	---	0 B	0.003B	0.005	0.004	0.011	0.017	0.003	0.007	---	---	4
5	---	---	0 B	0.004B	0.010	0.002	0.012	0.014	0.005	0.007	---	---	5
6	---	---	0 B	0.005B	0.006	0.003	0.010	0.011	0.006	0.006	---	---	6
7	---	---	0 B	0.005B	0.004	0.004	0.011	0.011	0.005	0.005	---	---	7
8	---	---	0 B	0.006B	0.005	0.002	0.010	0.009	0.005	0.003	---	---	8
9	---	---	0 B	0.007B	0.010	0.004	0.009	0.006	0.003	0.001	---	---	9
10	---	---	0 B	0.008B	0.009	0.008	0.009	0.002	0.002	0	---	---	10
11	---	---	0 B	0.009B	0.008	0.007	0.008	0.002	0.002	0	---	---	11
12	---	---	0 B	0.012B	0.010	0.004	0.005	0.001	0.002	0	---	---	12
13	---	---	0 B	0.015B	0.008	0.003	0.007	0.001	0.001	0	---	---	13
14	---	---	0 B	0.020B	0.005	0.003	0.006	0.001	0.001	0	---	---	14
15	---	---	0 B	0.019B	0.002	0.002	0.004	0.002	0.001	0	---	---	15
16	---	---	0 B	0.017	0.001	0.002	0.003	0.002	0.001	0	---	---	16
17	---	---	0 B	0.016	0.001	0.002	0.002	0.004	0.001	0	---	---	17
18	---	---	0 B	0.015	0.006	0.002	0.004	0.004	0.001	0	---	---	18
19	---	---	0 B	0.013	0.009	0.002	0.007	0.003	0.001	0	---	---	19
20	---	---	0 B	0.007	0.012	0.001	0.006	0.002	0.001	0	---	---	20
21	---	---	0 B	0.007	0.016	0.001	0.004	0.001	0.001	0	---	---	21
22	---	---	0 B	0.007	0.018	0.001	0.002	0.001	0.001	0	---	---	22
23	---	---	0 B	0.012	0.016	0.001	0.002	0.001	0.001	0	---	---	23
24	---	---	0 B	0.010	0.011	0.001	0.003	0.001	0.001	0	---	---	24
25	---	---	0 B	0.007	0.004	0.001	0.005	0.001	0.001	0	---	---	25
26	---	---	0 B	0.008	0.005	0.001	0.013	0.010	0.007	0 B	---	---	26
27	---	---	0 B	0.001	0.020	0.001	0.009	0.008	0.014	0 B	---	---	27
28	---	---	0.001B	0.003	0.020	0.001	0.010	0.005	0.012	0 B	---	---	28
29	---		0.003B	0.005	0.020	0.004	0.010	0.003	0.013	0 B	---	---	29
30	---		0.010B	0.008	0.032	0.009	0.008	0.003	0.009	0 B	---	---	30
31	---		0.010B		0.013		0.006	0.002		0 B		---	31
TOTAL	---	---	0.024	0.254	0.301	0.090	0.238	0.164	0.107	0.045	---	---	TOTAL
MEAN	---	---	0.001	0.008	0.010	0.003	0.008	0.005	0.004	0.001	---	---	MEAN
MAX	---	---	0.010	0.020	0.032	0.009	0.016	0.018	0.014	0.007	---	---	MAX
MIN	---	---	0	0.001	0.001	0.001	0.002	0.001	0.001	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.032 ON MAY 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.055 AT 15:46 MST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 18 N
LONG 111 35 26 W
DRAINAGE AREA, 3 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.6
FEB	---	AUG	14.2
MAR	2.07	SEP	9.24
APR	21.9	OCT	3.89
MAY	26.0	NOV	---
JUN	7.78	DEC	---

TOTAL DISCHARGE, 106 dam³

BIGELOW RESERVOIR NEAR WINBORNE - STATION NO. 05CE901

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	882.161	882.182E	881.952	881.742	---	---	1
2	---	---	---	---	---	---	882.178	882.175E	881.945	881.739	---	---	2
3	---	---	---	---	---	---	882.186	882.168E	881.937	881.738	---	---	3
4	---	---	---	---	---	---	882.188	882.161E	881.934	881.734	---	---	4
5	---	---	---	---	---	---	882.200	882.154E	881.941	881.725	---	---	5
6	---	---	---	---	---	---	882.212	882.147E	881.932	881.718	---	---	6
7	---	---	---	---	---	---	882.233	882.140E	881.928	881.716	---	---	7
8	---	---	---	---	---	---	882.267	882.134E	881.920	881.712	---	---	8
9	---	---	---	---	---	882.278A	882.299	882.127E	881.910	881.703	---	---	9
10	---	---	---	---	---	882.277	882.316	882.120E	881.900	881.695	---	---	10
11	---	---	---	---	---	882.272	882.320	882.113E	881.889	881.701	---	---	11
12	---	---	---	---	882.335A	882.264	882.317	882.106E	881.880	881.712	---	---	12
13	---	---	---	---	---	882.254	882.312	882.099E	881.865	881.711	---	---	13
14	---	---	---	882.320A	---	882.248	882.306E	882.093E	881.855	881.711	---	---	14
15	---	---	---	882.597	---	882.243	882.300E	882.086E	881.848	881.710	---	---	15
16	---	---	---	882.695	---	882.237	882.293E	882.079E	881.841	881.709	---	---	16
17	---	---	---	882.657	---	882.229	882.287E	882.072E	881.834	881.692	---	---	17
18	---	---	---	882.606	---	882.222	882.281E	882.065E	881.826	881.680	---	---	18
19	---	---	---	882.558	---	882.213	882.275E	882.058E	881.818	881.680A	---	---	19
20	---	---	---	882.513	---	882.204	882.268E	882.051E	881.809	---	---	---	20
21	---	---	---	882.474	---	882.196	882.262A	882.045E	881.801	---	---	---	21
22	---	---	---	882.447	---	882.190	882.253	882.038E	881.797	---	---	---	22
23	---	---	---	882.429	---	882.183	882.243	882.031E	881.787	---	---	---	23
24	---	---	---	882.428	---	882.176	882.234	882.024A	881.784	---	---	---	24
25	---	---	---	882.443	---	882.169	882.229	881.999	881.780	---	---	---	25
26	---	---	---	882.447	---	882.165	882.224	881.995	881.782	---	---	---	26
27	---	---	---	882.437	---	882.171	882.217	881.987	881.782	---	---	---	27
28	---	---	---	882.421	---	882.170	882.209	881.984	881.781	---	---	---	28
29	---		---	882.414A	---	882.166	882.202E	881.974	881.771	---	---	---	29
30	---		---	---	---	882.164	882.195E	881.969	881.747	---	---	---	30
31	---		---		---		882.188E	881.959		---		---	31
MEAN	---	---	---	---	---	---	882.247	882.075	881.853	---	---	---	MEAN
MAX	---	---	---	---	---	---	882.320	882.182	881.952	---	---	---	MAX
MIN	---	---	---	---	---	---	882.161	881.959	881.747	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 15 N
LONG 113 27 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05PC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.007	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.008	0	0.017	0	0	0	---	---	2
3	---	---	0B	0 B	0.009	0	0.031	0	0	0	---	---	3
4	---	---	0B	0 B	0.009	0	0.028	0	0	0	---	---	4
5	---	---	0B	0 B	0.009	0	0.048	0	0	0	---	---	5
6	---	---	0B	0 B	0.008	0	0.067	0	0	0	---	---	6
7	---	---	0B	0 B	0.007	0	0.043	0	0	0	---	---	7
8	---	---	0B	0 B	0.007	0	0.034	0	0	0	---	---	8
9	---	---	0B	0 B	0.008	0	0.031	0	0	0	---	---	9
10	---	---	0B	0 B	0.009	0	0.024	0	0	0	---	---	10
11	---	---	0B	0 B	0.010	0	0.022	0	0	0	---	---	11
12	---	---	0B	0 B	0.010	0	0.017	0	0	0	---	---	12
13	---	---	0B	0 B	0.010	0	0.015	0	0	0	---	---	13
14	---	---	0B	0 B	0.009	0	0.014	0	0	0	---	---	14
15	---	---	0B	0 B	0.008	0	0.013	0	0	0	---	---	15
16	---	---	0B	1.16 B	0.007	0	0.012	0	0	0	---	---	16
17	---	---	0B	2.69 B	0.007	0	0.010	0	0	0	---	---	17
18	---	---	0B	1.20 B	0.007	0	0.010	0	0	0	---	---	18
19	---	---	0B	1.02 B	0.010	0	0.008	0	0	0	---	---	19
20	---	---	0B	0.967B	0.009	0	0.007	0	0	0	---	---	20
21	---	---	0B	0.770	0.009	0	0.007	0	0	0	---	---	21
22	---	---	0B	0.603	0.008	0	0.007	0	0	0	---	---	22
23	---	---	0B	0.419	0.008	0	0.004	0	0	0	---	---	23
24	---	---	0B	0.253	0.007	0	0.002E	0	0	0	---	---	24
25	---	---	0B	0.146	0.006	0	0.001E	0	0	0	---	---	25
26	---	---	0B	0.082	0.006	0	0.001E	0	0	0	---	---	26
27	---	---	0B	0.042	0.007	0	0	0	0	0	---	---	27
28	---	---	0B	0.021	0.006	0	0	0	0	0	---	---	28
29	---		0B	0.009	0.004	0	0	0	0	0	---	---	29
30	---		0B	0.007	0.002	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	9.389	0.231	0	0.473	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.313	0.007	0	0.015	0	0	0	---	---	MEAN
MAX	---	---	0	2.69	0.010	0	0.067	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.041
MAXIMUM DAILY, 2.69B ON APR 17
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 04 N
LONG 112 21 18 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.9
FEB	---	AUG	0
MAR	0	SEP	0
APR	811	OCT	0
MAY	20.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 872 dam³

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07XE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.465B	0.225B	0.192B	0.180B	105 B	60.2	6.81	4.30	6.41	8.40	2.54 B	0.900B	1
2	0.447B	0.224B	0.191B	0.178B	139	54.9	6.57	4.43	6.29	8.12	2.43 B	0.870B	2
3	0.430B	0.223B	0.190B	0.178B	160	49.7	6.40	4.81	6.26	7.91	2.36 B	0.840B	3
4	0.413B	0.222B	0.189B	0.175B	175	44.9	6.51	5.33	6.42	7.62	2.31 B	0.810B	4
5	0.399B	0.221B	0.189B	0.173B	181	40.5	6.33	6.00	6.80	7.33	2.27 B	0.780B	5
6	0.386B	0.220B	0.188B	0.173B	173	36.7	6.21	6.94	7.23	7.14	2.22 B	0.750B	6
7	0.373B	0.220B	0.188B	0.173B	169	33.6	6.04	8.28	7.06	7.09	2.17 B	0.720B	7
8	0.364B	0.219B	0.188B	0.172B	165	30.9	5.73	9.53	6.77	6.93	2.14 B	0.700B	8
9	0.353B	0.219B	0.188B	0.171B	158	28.1	5.45	9.37	6.62	6.93	2.11 B	0.690B	9
10	0.342B	0.218B	0.188B	0.172B	150	25.4	5.22	8.91	6.74	6.81	2.08 B	0.680B	10
11	0.332B	0.217B	0.188B	0.171B	141	23.0	4.99	8.70	6.96	6.47	2.06 B	0.670B	11
12	0.323B	0.216B	0.188B	0.171B	132	21.0	4.89	8.54	8.31	6.24	2.03 B	0.660B	12
13	0.310B	0.215B	0.188B	0.171B	127	19.3	4.67	8.33	11.3	6.15	1.99 B	0.650B	13
14	0.310B	0.214B	0.188B	0.174B	122	18.4	4.39	8.13	13.3	5.95	1.95 B	0.640B	14
15	0.301B	0.213B	0.188B	0.177B	119	16.9	4.15	7.80	13.8	5.84	1.90 B	0.634B	15
16	0.294B	0.212B	0.188B	0.180B	120	15.3	3.84	7.49	14.4	5.72B	1.80 B	0.632B	16
17	0.285B	0.211B	0.188B	0.186B	125	14.0	3.75	7.53	14.5	5.44B	1.70 B	0.630B	17
18	0.278B	0.210B	0.188B	0.230B	129	13.1	3.51	7.47	14.2	5.04B	1.62 B	0.628B	18
19	0.272B	0.208B	0.188B	0.299B	133	12.0	3.40	7.64	13.9	4.31B	1.54 B	0.626B	19
20	0.265B	0.204B	0.188B	0.374B	134	11.1	3.39	7.71	13.4	3.70B	1.46 B	0.624B	20
21	0.258B	0.202B	0.188B	0.582B	132	10.5	3.36	7.43	12.8	3.60B	1.40 B	0.622B	21
22	0.250B	0.200B	0.188B	1.38 B	127	10.1	3.33	7.17	12.0	3.50B	1.34 B	0.620B	22
23	0.245B	0.198B	0.188B	1.68 B	122	9.54	3.36	7.03	11.4	3.44B	1.28 B	0.620B	23
24	0.239B	0.197B	0.188B	2.11 B	121	9.09	3.51	6.99	10.9	3.42B	1.23 B	0.620B	24
25	0.235B	0.196B	0.186B	2.96 B	112	8.66	3.41	6.75	10.4	3.42B	1.18 B	0.620B	25
26	0.233B	0.196B	0.185B	5.44 B	103	8.26	3.36	6.30	9.97	3.40B	1.13 B	0.620B	26
27	0.231B	0.195B	0.184B	9.54 B	95.5	7.98	3.50	6.06	9.67	3.30B	1.07 B	0.620B	27
28	0.229B	0.194B	0.182B	17.6 B	87.9	7.44	3.71	6.05	9.25	3.13B	1.01 B	0.620B	28
29	0.228B		0.183B	39.6 B	80.2	7.29	3.80	6.04	8.87	2.98B	0.980B	0.622B	29
30	0.227B		0.182B	85.2 B	72.8	6.90	4.06	6.19	8.63	2.83B	0.940B	0.624B	30
31	0.226B		0.181B		66.3		4.14	6.45		2.67B		0.623B	31
TOTAL	9.551	5.909	5.806	169.970	3 976.7	654.76	141.79	219.70	294.56	164.83	52.240	20.965	TOTAL
MEAN	0.308	0.211	0.187	5.67	128	21.8	4.57	7.09	9.82	5.32	1.74	0.676	MEAN
MAX	0.465	0.225	0.192	85.2	181	60.2	6.81	9.53	14.5	8.40	2.54	0.900	MAX
MIN	0.226	0.194	0.181	0.171	66.3	6.90	3.33	4.30	6.26	2.67	0.940	0.620	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.7
MAXIMUM DAILY, 181 ON MAY 5
MINIMUM DAILY, 0.171B ON APR 9
MAXIMUM INSTANTANEOUS,
182 AT 10:50 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 18 40 N
LONG 113 04 05 W
DRAINAGE AREA, 10 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	825	JUL	12 300
FEB	511	AUG	19 000
MAR	502	SEP	25 400
APR	14 700	OCT	14 200
MAY	344 000	NOV	4 510
JUN	56 600	DEC	1 810

TOTAL DISCHARGE, 494 000 dam³

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.012	0.001	0.012	0.007	0	0	0.001	---	1
2	---	---	0B	0 B	0.013	0.001	0.073	0.008	0	0	0.002	---	2
3	---	---	0B	0 B	0.015	0.002	0.138	0.008	0	0.002	0.001A	---	3
4	---	---	0B	0 B	0.018	0.005	0.080	0.002	0	0.015	---	---	4
5	---	---	0B	0 B	0.018	0.016	0.093	0.002	0	0.013	---	---	5
6	---	---	0B	0 B	0.019	0.018	0.081	0.001	0	0.011	---	---	6
7	---	---	0B	0 B	0.017	0.012	0.087	0	0	0.012	---	---	7
8	---	---	0B	0 B	0.016	0.012	0.058	0	0	0.008	---	---	8
9	---	---	0B	0 B	0.018	0.009	0.046	0	0	0.006	---	---	9
10	---	---	0B	0 B	0.008	0.010	0.033	0	0	0.006	---	---	10
11	---	---	0B	0 B	0.005	0.019	0.018	0	0	0.007	---	---	11
12	---	---	0B	0 B	0.003	0.018	0.009	0	0	0.010	---	---	12
13	---	---	0B	0 B	0.004	0.024	0.003	0	0	0.009	---	---	13
14	---	---	0B	0.001B	0.001	0.028	0.004	0	0	0.007	---	---	14
15	---	---	0B	0.010B	0.003	0.031	0.005	0	0	0.007	---	---	15
16	---	---	0B	0.035B	0.001	0.006	0.004	0	0	0.007	---	---	16
17	---	---	0B	0.300E	0.003	0.011	0.005	0	0	0.010	---	---	17
18	---	---	0B	0.270E	0.001	0.010	0.005	0	0	0.011	---	---	18
19	---	---	0B	0.240E	0.002	0.011	0.005	0	0	0.007	---	---	19
20	---	---	0B	0.179A	0.010	0.013	0.003	0	0	0.005	---	---	20
21	---	---	0B	0.140	0.005	0.025	0.002	0	0	0.002	---	---	21
22	---	---	0B	0.098	0.001	0.029	0.001	0	0	0.002	---	---	22
23	---	---	0B	0.083	0.001	0.041	0	0	0	0.010	---	---	23
24	---	---	0B	0.059	0.001	0.036	0	0	0	0.006	---	---	24
25	---	---	0B	0.041	0.001	0.036	0	0	0	0.003	---	---	25
26	---	---	0B	0.038	0.001	0.031	0	0	0	0.002	---	---	26
27	---	---	0B	0.023	0.001	0.023	0	0	0	0.001	---	---	27
28	---	---	0B	0.016	0.001	0.022	0	0	0	0.001	---	---	28
29	---		0B	0.020	0.001	0.017	0	0	0	0.001	---	---	29
30	---		0B	0.021	0.001	0.013	0	0	0	0.001	---	---	30
31	---		0B		0.001		0.010	0		0.001		---	31
TOTAL	---	---	0	1.574	0.202	0.530	0.775	0.028	0	0.183	---	---	TOTAL
MEAN	---	---	0	0.052	0.007	0.018	0.025	0.001	0	0.006	---	---	MEAN
MAX	---	---	0	0.300	0.019	0.041	0.138	0.008	0	0.015	---	---	MAX
MIN	---	---	0	0	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.300E ON APR 17
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 20 N
LONG 110 00 35 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	67.0
FEB	---	AUG	2.42
MAR	0	SEP	0
APR	136	OCT	15.8
MAY	17.5	NOV	---
JUN	45.8	DEC	---

TOTAL DISCHARGE, 285 dam³

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	11.8	0.185	0	0.808	0.110	0.017	---	---	1
2	---	---	0B	0 B	10.5	0.143	0.294	0.652	0.109	0.017	---	---	2
3	---	---	0B	0 B	9.23	0.163	4.31	0.520	0.104	0.050	---	---	3
4	---	---	0B	0 B	8.05	0.093	8.91	0.415	0.104	0.349	---	---	4
5	---	---	0B	0 B	6.79	0.068	7.61	0.392	0.446	0.090	---	---	5
6	---	---	0B	0 B	6.49	0.060	6.47	0.343	0.327	0.049	---	---	6
7	---	---	0B	0 B	6.08	0.059	5.54	0.250	0.142	0.041	---	---	7
8	---	---	0B	0 B	5.37	0.054	4.62	0.276	0.099	0.030	---	---	8
9	---	---	0B	0 B	4.70	0.028	3.83	0.282	0.082	0.025	---	---	9
10	---	---	0B	0 B	4.02	0.035	3.23	0.611	0.103	0.020	---	---	10
11	---	---	0B	0 B	3.47	0.053	2.72	0.320	0.124	0.019	---	---	11
12	---	---	0B	0 B	2.88	0.053	2.34	0.190	0.098	0.019	---	---	12
13	---	---	0B	0.700B	2.42	0.034	2.00	0.133	0.066	0.018	---	---	13
14	---	---	0B	1.39 B	2.02	0.026	1.90	0.123	0.046	0.018	---	---	14
15	---	---	0B	1.45 B	1.67	0.024	2.63	0.175	0.049	0.016	---	---	15
16	---	---	0B	2.40 B	1.23	0.025	2.01	0.186	0.091	0.017	---	---	16
17	---	---	0B	4.15 B	1.02	0.027	1.68	0.166	0.070	0.023	---	---	17
18	---	---	0B	4.52 B	1.00	0.027	1.47	0.143	0.055	0.039	---	---	18
19	---	---	0B	5.93 B	1.29	0.024	1.27	0.123	0.047	0.042	---	---	19
20	---	---	0B	7.24 B	1.09	0.018	1.12	0.111	0.038	0.047	---	---	20
21	---	---	0B	7.49 B	1.01	0.015	1.09	0.103	0.033	0.081	---	---	21
22	---	---	0B	8.90 B	0.842	0.012	3.15	0.100	0.028	0.117	---	---	22
23	---	---	0B	10.4 B	0.731	0.011	3.87	0.083	0.027	0.126	---	---	23
24	---	---	0B	11.7 B	0.624	0.009	3.48	0.069	0.027	0.113	---	---	24
25	---	---	0B	12.6 B	0.526	0.007	3.13	0.067	0.027	0.160	---	---	25
26	---	---	0B	13.5 B	0.437	0.005	2.74	0.117	0.027	0.131	---	---	26
27	---	---	0B	14.1 B	0.366	0.003	2.31	0.101	0.028	0.159	---	---	27
28	---	---	0B	13.8 B	0.310	0.002	1.85	0.124	0.020	0.138	---	---	28
29	---		0B	13.2 B	0.267	0.001	1.50	0.124	0.018	0.157A	---	---	29
30	---		0B	13.0	0.244	0.001	1.20	0.114	0.017	0.155E	---	---	30
31	---		0B		0.214		0.975	0.113		0.155E		---	31
TOTAL	---	---	0	146.470	96.691	1.265	89.249	7.334	2.558	2.438	---	---	TOTAL
MEAN	---	---	0	4.88	3.12	0.042	2.88	0.237	0.085	0.079	---	---	MEAN
MAX	---	---	0	14.1	11.8	0.185	8.91	0.808	0.446	0.349	---	---	MAX
MIN	---	---	0	0	0.214	0.001	0	0.067	0.017	0.016	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.61
MAXIMUM DAILY, 14.1B ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.5 AT 15:40 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 50 N
LONG 113 30 56 W
DRAINAGE AREA, 642 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 710
FEB	---	AUG	634
MAR	0	SEP	221
APR	12 700	OCT	211
MAY	8 350	NOV	---
JUN	109	DEC	---

TOTAL DISCHARGE, 29 900 dam³

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.210B	0.440B	0.480B	0.375B	17.2	1.40	2.94	7.73	3.33	2.64	1.92	0.605B	1
2	0.195B	0.430B	0.425B	0.355B	13.6 A	1.14	5.20	8.00	3.09	2.57	1.60 B	0.593B	2
3	0.190B	0.415B	0.370B	0.360B	11.0 A	0.944	28.6	8.01	2.82	2.61	1.35 B	0.575B	3
4	0.185B	0.386B	0.327B	0.385B	7.21A	0.876	52.4	6.18	2.69	3.81	1.25 B	0.565B	4
5	0.180B	0.355B	0.350B	0.425B	5.24	1.31	100	4.98	2.94	8.33	1.25 B	0.550B	5
6	0.185B	0.350B	0.425B	0.485B	4.29	1.57	158	4.22	7.21	6.05	1.30 B	0.535B	6
7	0.202B	0.355B	0.530B	0.555B	4.10	2.98	169	3.74	7.27	5.11	1.30 B	0.520B	7
8	0.210B	0.405B	0.620B	0.725B	3.77	3.50	111	3.42	5.08	4.40	1.20 B	0.505B	8
9	0.215B	0.480B	0.625B	0.895B	3.09	3.06	57.1	3.14	4.20	3.79	0.995B	0.495B	9
10	0.220B	0.515B	0.610B	0.965B	2.53	2.59	32.5	2.98	3.56	3.32	0.970B	0.485B	10
11	0.225B	0.500B	0.570B	1.01 B	2.18	2.50	22.1	2.88	3.02	2.96	0.970B	0.480B	11
12	0.230B	0.455B	0.545B	1.30 B	2.00	2.26	17.9 E	2.84	2.66	2.74	0.975B	0.475B	12
13	0.235B	0.440B	0.540B	1.55 B	1.79	2.36	14.9 E	2.64	2.43	2.64	0.975B	0.470B	13
14	0.245B	0.475B	0.550B	1.86 B	1.76	2.29	12.1 E	2.79	2.15	2.51	0.965B	0.455B	14
15	0.250B	0.555B	0.575B	1.98 B	1.57	1.68	12.9 A	2.92	1.98	2.35	0.948B	0.445B	15
16	0.251B	0.610B	0.585B	2.55 B	1.44	1.30	26.6	3.50	1.80	2.45	0.925B	0.435B	16
17	0.252B	0.670B	0.585B	4.65 B	1.35	1.22	19.8 A	3.46	1.82	2.27	0.905B	0.420B	17
18	0.250B	0.705B	0.580B	10.4 B	1.77	0.927	13.5 E	3.28	2.02	2.15	0.875B	0.415B	18
19	0.245B	0.700B	0.575B	18.7 B	2.81	1.12	8.43E	3.01	1.97	2.09	0.845B	0.402B	19
20	0.220B	0.655B	0.555B	25.9 B	6.77	1.46	4.66E	2.72	1.88	2.13	0.820B	0.398B	20
21	0.195B	0.615B	0.548B	37.5	6.62	1.19	2.13E	2.54	1.71	2.13	0.800B	0.390B	21
22	0.180B	0.575B	0.545B	53.1	5.07	0.638	12.2 A	2.35	1.58	2.10	0.775B	0.375B	22
23	0.175B	0.525B	0.548B	68.9	4.17	0.825	38.5	2.32	1.50	2.16	0.745B	0.365B	23
24	0.190B	0.470B	0.580B	84.9	3.57	0.531	25.2 A	2.34	1.44	2.25	0.725B	0.345B	24
25	0.255B	0.420B	0.582B	93.9	3.43	0.516	18.1 E	2.59	1.39	2.29	0.715B	0.330B	25
26	0.350B	0.425B	0.570B	71.2 A	2.94	0.573	20.5 A	3.00	1.42	2.32	0.695B	0.340B	26
27	0.365B	0.480B	0.545B	44.1 A	2.63	0.915	34.9 A	3.86	1.64	2.23	0.675B	0.360B	27
28	0.330B	0.520B	0.505B	33.2	2.35	1.09	20.5 E	4.01	2.34	2.14	0.660B	0.365B	28
29	0.295B		0.451B	27.5	2.37	1.20	15.4 E	4.07	2.79	2.12	0.650B	0.360B	29
30	0.290B		0.435B	22.2	2.32	2.10	10.5 A	3.83	2.71	2.02	0.625B	0.345B	30
31	0.345B		0.399B		1.84		11.0	3.43		1.73		0.335B	31
TOTAL	7.365	13.926	16.130	611.925	132.78	46.065	1 078.56	116.78	82.44	90.41	29.403	13.733	TOTAL
MEAN	0.238	0.497	0.520	20.4	4.28	1.54	34.8	3.77	2.75	2.92	0.980	0.443	MEAN
MAX	0.365	0.705	0.625	93.9	17.2	3.50	169	8.01	7.27	8.33	1.92	0.605	MAX
MIN	0.175	0.350	0.327	0.355	1.35	0.516	2.13	2.32	1.39	1.73	0.625	0.330	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.14
MAXIMUM DAILY, 169 ON JUL 7
MINIMUM DAILY, 0.175B ON JAN 23
MAXIMUM INSTANTANEOUS,
180 AT 01:44 MST ON JUL 7

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 14 N
LONG 113 47 35 W
DRAINAGE AREA, 1 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	636	JUL	93 200
FEB	1 200	AUG	10 100
MAR	1 390	SEP	7 120
APR	52 900	OCT	7 810
MAY	11 500	NOV	2 540
JUN	3 980	DEC	1 190

TOTAL DISCHARGE, 194 000 dam³

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.039B	0.112B	6.35	0.379	0.634	1.89	0.347	0.415	---	---	1
2	---	---	0.040B	0.098B	5.32	0.322	9.33	1.24	0.307	0.390	---	---	2
3	---	---	0.041B	0.093B	4.47	0.307	40.1	0.942	0.286	0.618	---	---	3
4	---	---	0.042B	0.088B	3.69	0.379	158	0.480	0.257	1.14	---	---	4
5	---	---	0.043B	0.084B	3.55	0.691	167	0.422	1.98	2.83	---	---	5
6	---	---	0.043B	0.082B	3.38	1.21	58.2	0.350	2.51	2.22	---	---	6
7	---	---	0.044B	0.081B	2.54	1.03	21.5	0.311	0.577	1.64	---	---	7
8	---	---	0.044B	0.082B	2.11	0.901	15.5	0.260	0.836	1.36	---	---	8
9	---	---	0.045B	0.085B	1.66	0.836	16.1	0.210	0.545	0.990	---	---	9
10	---	---	0.045B	0.088B	1.34	0.804	6.73	0.188	0.430	0.893	---	---	10
11	---	---	0.046B	0.093B	1.27	1.23	5.62	0.145	0.383	0.788	---	---	11
12	---	---	0.046B	0.099B	1.24	0.545	4.45	0.119	0.340	0.682	---	---	12
13	---	---	0.047B	0.132B	1.10	0.466	4.55	0.188	0.296	0.674	---	---	13
14	---	---	0.048B	0.120B	0.869	0.379	4.66	0.289	0.260	0.699	---	---	14
15	---	---	0.050B	0.155B	0.723	0.314	6.51	0.634	0.275	0.537	---	---	15
16	---	---	0.052B	0.215B	0.982	0.250	10.2	0.444	0.304	0.455	---	---	16
17	---	---	0.055B	0.175B	1.27	0.221	5.77	0.336	0.300	0.473	---	---	17
18	---	---	0.058B	0.130B	4.06	0.199	4.51	0.257	0.293	0.512	---	---	18
19	---	---	0.063B	0.099B	5.88	0.170	2.83	0.206	0.242	0.561	---	---	19
20	---	---	0.071B	3.55 B	3.89	0.127	2.74	0.142	0.232	0.426	---	---	20
21	---	---	0.078B	6.40 B	2.76	0.115	4.06	0.189	0.160	0.397	---	---	21
22	---	---	0.075B	20.6 B	1.80	0.106	34.5	0.221	0.167	0.426	---	---	22
23	---	---	0.068B	40.0 B	1.72	0.106	8.23	0.214	0.178	0.545	---	---	23
24	---	---	0.088B	57.0	1.64	0.106	4.05	0.217	0.163	0.626	---	---	24
25	---	---	0.089B	22.2	1.32	0.113	26.3	0.383	0.149	0.561	---	---	25
26	---	---	0.092B	13.8	1.10	0.134	15.7	1.09	0.181	0.504	---	---	26
27	---	---	0.098B	13.8	0.998	0.156	3.91	0.861	0.433	0.469	---	---	27
28	---	---	0.120B	13.1	0.901	0.257	2.46	0.699	0.764	0.458	---	---	28
29	---		0.175B	11.3	0.836	0.386	1.49	0.462	0.593	0.404	---	---	29
30	---		0.165B	7.50	0.577	0.545	1.27	0.361	0.480	0.397	---	---	30
31	---		0.145B		0.408		1.21	0.354		0.397		---	31
TOTAL	---	---	2.175	221.361	69.754	12.784	648.114	14.064	14.268	23.447	---	---	TOTAL
MEAN	---	---	0.070	7.38	2.25	0.426	20.9	0.454	0.476	0.756	---	---	MEAN
MAX	---	---	0.175	67.0	6.35	1.23	167	1.89	2.51	2.83	---	---	MAX
MIN	---	---	0.039	0.081	0.408	0.106	0.634	0.119	0.149	0.390	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.11
MAXIMUM DAILY, 167 ON JUL 5
MINIMUM DAILY, 0.039B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 45 22 N
LONG 114 17 03 W
DRAINAGE AREA, 352 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	56 000
FEB	---	AUG	1 220
MAR	188	SEP	1 230
APR	19 100	OCT	2 030
MAY	6 030	NOV	---
JUN	1 100	DEC	---

TOTAL DISCHARGE, 86 900 dam³

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	1
2	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	2
3	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	3
4	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	4
5	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	5
6	---	---	0.004B	0.003	0.004	0.003	0.003	0.002	0.003	0.002	---	---	6
7	---	---	0.004B	0.003	0.004	0.003	0.003	0.002	0.003	0.002	---	---	7
8	---	---	0.004B	0.003	0.004	0.003	0.003	0.002	0.003	0.002	---	---	8
9	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	9
10	---	---	0.004B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	10
11	---	---	0.029B	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	11
12	---	---	0.041B	0.005	0.004	0.003	0.003	0.003	0.003	0.002	---	---	12
13	---	---	0.015	0.005	0.004	0.003	0.003	0.003	0.003	0.002	---	---	13
14	---	---	0.013	0.005	0.004	0.003	0.003	0.003	0.003	0.002	---	---	14
15	---	---	0.010	0.005	0.004	0.003	0.002	0.003	0.003	0.002	---	---	15
16	---	---	0.006	0.005	0.004	0.003	0.002	0.003	0.003	0.002	---	---	16
17	---	---	0.005	0.005	0.004	0.003	0.002	0.003	0.003	0.002	---	---	17
18	---	---	0.005	0.005	0.004	0.003	0.002	0.003	0.003	0.002	---	---	18
19	---	---	0.005	0.005	0.004	0.003	0.002	0.003	0.003	0.002	---	---	19
20	---	---	0.005	0.005	0.003	0.003	0.002	0.003	0.003	0.002	---	---	20
21	---	---	0.005	0.005	0.003	0.003	0.002	0.003	0.003	0.002	---	---	21
22	---	---	0.005	0.005	0.003	0.003	0.002	0.003	0.003	0.002	---	---	22
23	---	---	0.005	0.005	0.003	0.003	0.002	0.003	0.003	0.002	---	---	23
24	---	---	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.002	---	---	24
25	---	---	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002	---	---	25
26	---	---	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.002A	---	---	26
27	---	---	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.002E	---	---	27
28	---	---	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002E	---	---	28
29	---		0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002E	---	---	29
30	---		0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002E	---	---	30
31	---		0.004		0.003		0.003	0.003		0.002E		---	31
TOTAL	---	---	0.224	0.129	0.112	0.090	0.084	0.090	0.090	0.062	---	---	TOTAL
MEAN	---	---	0.007	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	MEAN
MAX	---	---	0.041	0.005	0.004	0.003	0.003	0.003	0.003	0.002	---	---	MAX
MIN	---	---	0.004	0.003	0.003	0.003	0.002	0.002	0.003	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.041B ON MAR 12
MINIMUM DAILY, 0.002 ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 26 N
LONG 111 03 30 W
DRAINAGE AREA, 694 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.26
FEB	---	AUG	7.78
MAR	19.4	SEP	7.78
APR	11.1	OCT	5.36
MAY	9.68	NOV	---
JUN	7.78	DEC	---

TOTAL DISCHARGE, 76.1 dam³

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.005	0.330E	0.750	0.491	0.316	0.345	0A	---	1
2	---	---	---	---	0.005	0.350A	0.794	0.542	0.379	0.102	---	---	2
3	---	---	---	---	0.005	0.425E	0.718	0.759	0.431	0.106	---	---	3
4	---	---	---	---	0.005	0.341A	0.793	0.714	0.408	0.161	---	---	4
5	---	---	---	---	0.005	0.459A	0.697	0.780	0.395	0.169	---	---	5
6	---	---	---	---	0.006	0.473A	0.232	0.823	0.371	0.168	---	---	6
7	---	---	---	---	0.058	0.501A	0.262	0.703	0.415	0.161	---	---	7
8	---	---	---	---	0.058	0.350E	0.427	0.718	0.519	0.161	---	---	8
9	---	---	---	---	0.093	0.320E	0.516	0.692	0.423	0.151	---	---	9
10	---	---	---	---	0.087	0.240E	0.482	0.544	0.397	0.162	---	---	10
11	---	---	---	---	0.092	0.300E	0.377	0.493	0.395	0.103	---	---	11
12	---	---	---	---	0.093	0.315E	0.436	0.386	0.409	0.070	---	---	12
13	---	---	---	---	0.090	0.330E	0.550	0.480	0.481	0.069	---	---	13
14	---	---	---	---	0.147	0.290E	0.599	0.583	0.608	0.047	---	---	14
15	---	---	---	---	0.113	0.270E	0.343	0.388	0.729	0.038	---	---	15
16	---	---	---	---	0.119	0.300E	0.155	0.454	0.719	0.036A	---	---	16
17	---	---	---	---	0.163	0.310E	0.198	0.534	0.713	0.036E	---	---	17
18	---	---	---	---	0.182	0.320E	0.368	0.482	0.655	0.031A	---	---	18
19	---	---	---	---	0.233	0.272A	0.206	0.443	0.623	0.029E	---	---	19
20	---	---	---	---	0.174	0.133	0.222	0.435	0.617	0.026E	---	---	20
21	---	---	---	---	0.214	0.189A	0.389	0.456	0.455	0.024E	---	---	21
22	---	---	---	---	0.228	0.434A	0.415	0.657	0.347	0.022E	---	---	22
23	---	---	---	---	0.128	0.664	0.420	0.666	0.270	0.020E	---	---	23
24	---	---	---	---	0.166	0.466	0.378	0.519	0.404	0.018E	---	---	24
25	---	---	---	---	0.392	0.590	0.324	0.528	0.415	0.015E	---	---	25
26	---	---	---	---	0.721A	0.773	0.496	0.546	0.433	0.013E	---	---	26
27	---	---	---	---	0.602	0.871	0.382	0.465	0.590	0.011E	---	---	27
28	---	---	---	0.006A	0.214A	0.923	0.527	0.337	0.394	0.009E	---	---	28
29	---		---	0.005	0.217A	0.946	0.822	0.366	0.363	0.007E	---	---	29
30	---		---	0.005	0.215E	0.951	0.684	0.390	0.310	0.004E	---	---	30
31	---		---		0.250E		0.474	0.371		0.002E		---	31
TOTAL	---	---	---	---	5.080	13.436	14.436	16.745	13.994	2.314	---	---	TOTAL
MEAN	---	---	---	---	0.164	0.448	0.466	0.540	0.466	0.075	---	---	MEAN
MAX	---	---	---	---	0.721	0.951	0.822	0.823	0.729	0.345	---	---	MAX
MIN	---	---	---	---	0.005	0.133	0.155	0.337	0.270	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.359
MAXIMUM DAILY, 0.951 ON JUN 30
MINIMUM DAILY, 0.002E ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 42 N
LONG 112 18 55 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 250
FEB	---	AUG	1 450
MAR	---	SEP	1 210
APR	---	OCT	200
MAY	439	NOV	---
JUN	1 160	DEC	---

TOTAL DISCHARGE, 5 710 dam³

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.023E	0.390	1.11	0.643	0.405	0.638	0.079A	---	1
2	---	---	---	---	0.023E	0.498	0.939	0.796	0.520	0.562	---	---	2
3	---	---	---	---	0.023A	0.566	0.715	0.548	0.369	0.552	---	---	3
4	---	---	---	---	0.025	0.600	0.725	0.639	0.419	0.549	---	---	4
5	---	---	---	---	0.075	0.515	0.649	0.844	0.507	0.452	---	---	5
6	---	---	---	---	0.058	0.457	0.453	0.695	0.448	0.395	---	---	6
7	---	---	---	---	0.024	0.348	0.358	0.945	0.443	0.473	---	---	7
8	---	---	---	---	0.029	0.255	0.427	0.988	0.576	0.382	---	---	8
9	---	---	---	---	0.035	0.318	0.431	0.931	0.782	0.416	---	---	9
10	---	---	---	---	0.032	0.314	0.585	0.697	0.644	0.403	---	---	10
11	---	---	---	---	0.030	0.342	0.638	0.758	0.583	0.281	---	---	11
12	---	---	---	---	0.078	0.315	0.605	0.733	0.659	0.361	---	---	12
13	---	---	---	---	0.159	0.313	0.415	0.806	0.668	0.670	---	---	13
14	---	---	---	---	0.229	0.329	0.636	1.12	0.545	0.675	---	---	14
15	---	---	---	---	0.275	0.321	0.457	1.14	0.483	0.622	---	---	15
16	---	---	---	---	0.363	0.318	0.524	0.978	0.587	0.129	---	---	16
17	---	---	---	---	0.375	0.385	0.738	0.811	0.525	0.021	---	---	17
18	---	---	---	---	0.371	0.636	0.750	0.755	0.491	0.011	---	---	18
19	---	---	---	---	0.409	0.942	0.596	0.758	0.580	0.018	---	---	19
20	---	---	---	---	0.473	0.818	0.704	0.905	0.491	0.018	---	---	20
21	---	---	---	---	0.566	0.704	0.709	1.05	0.506	0.008	---	---	21
22	---	---	---	---	0.496	0.786	0.913	0.956	0.621	0.008	---	---	22
23	---	---	---	---	0.704	0.923	0.850	0.844	0.669	0.007	---	---	23
24	---	---	---	---	0.684	0.740	0.899	0.980	0.744	0.006	---	---	24
25	---	---	---	---	0.687	0.550	1.20	0.826	0.753	0.026	---	---	25
26	---	---	---	---	0.958	0.492	1.66	0.907	1.16	0.033	---	---	26
27	---	---	---	---	1.06	0.618	0.988	0.910	1.79	0.034	---	---	27
28	---	---	---	---	0.511	0.709	0.715	0.851	1.18	0.032	---	---	28
29	---		---	---	0.422	0.777	1.01	0.890	0.965	0.031	---	---	29
30	---		---	---	0.461	1.14	0.839	0.844	0.879	0.025	---	---	30
31	---		---		0.381		0.690	0.573		0.016		---	31
TOTAL	---	---	---	---	10.037	16.819	22.928	26.121	19.992	7.858	---	---	TOTAL
MEAN	---	---	---	---	0.324	0.547	0.740	0.843	0.666	0.253	---	---	MEAN
MAX	---	---	---	---	1.06	1.14	1.66	1.14	1.79	0.675	---	---	MAX
MIN	---	---	---	---	0.023	0.255	0.358	0.548	0.369	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.562
MAXIMUM DAILY, 1.79 ON SEP 27
MINIMUM DAILY, 0.006 ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 05 N
LONG 112 20 15 W
DRAINAGE AREA, 790 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 980
FEB	---	AUG	2 260
MAR	---	SEP	1 730
APR	---	OCT	679
MAY	867	NOV	---
JUN	1 420	DEC	---

TOTAL DISCHARGE, 8 940 dam³

BOW RIVER AT BANFF - STATION NO. 05BB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.62B	9.49B	9.95B	7.49	9.20	53.3	154	96.9	48.5	32.5	21.2	14.7 B	1
2	9.58B	8.93B	8.89B	7.53	9.80	65.5	141	91.4	48.1	31.5	18.9	13.2 B	2
3	9.72B	7.70B	8.76B	6.83	10.9	76.5	134	85.5	49.1	31.6	19.9B	13.5 B	3
4	9.86B	7.60B	8.82B	6.90	10.5	86.8	135	79.7	54.8	30.8	19.7	13.7 B	4
5	9.66B	9.27B	8.41B	7.67	9.64	88.3	127	72.8	73.1	29.5	19.7	12.4 B	5
6	9.46B	9.92B	9.37B	7.82	9.56	88.7	115	66.9	67.6	28.6	19.3	10.0 B	6
7	9.29B	9.43B	8.67B	7.08	9.92	78.2	112	64.9	61.7	27.6	18.0	9.14B	7
8	9.17B	8.88B	7.82B	7.25	10.5	67.9	105	64.6	59.9	27.0	18.0B	9.50B	8
9	8.80B	8.42B	8.70B	7.45	9.68	62.9	102	65.8	64.8	26.0	13.1B	11.5 B	9
10	8.43B	9.07B	8.63B	7.51	9.37	68.4	97.4	69.6	76.9	25.6	11.4B	11.6 B	10
11	8.37B	9.96B	8.41B	7.49	9.77	88.2	95.5	70.7	68.7	25.2	13.3B	11.2 B	11
12	8.21B	10.5 B	8.39B	7.78	11.6	114	93.9	71.6	60.4	24.9	13.2B	11.9 B	12
13	8.04B	11.1 B	8.99B	8.15	13.0	141	88.8	68.8	54.9	24.4	12.6B	12.4 B	13
14	8.51B	12.0 B	8.72B	8.06	14.6	167	94.0	64.7	49.6	24.2	11.2B	13.5 B	14
15	7.09B	13.1 B	8.89B	7.43	17.0	185	107	61.7	46.0	24.2	10.9B	13.1 B	15
16	6.15B	14.4 B	9.06B	7.66	20.3	190	92.8	56.1	43.8	24.3	12.7B	13.8 B	16
17	7.66B	14.8 B	9.09B	7.70	26.0	186	83.1	55.3	41.2	25.5	14.6B	14.2 B	17
18	8.47B	14.2 B	9.07B	7.55	31.7	175	80.7	56.6	39.9	26.3	15.6B	13.7 B	18
19	7.63B	13.0 B	9.60B	7.11	37.1	178	86.2	54.4	38.8	25.2	14.7B	13.2 B	19
20	7.94B	12.5 B	11.7 B	7.86	38.1	185	100	53.2	37.9	24.3	13.4B	12.6 B	20
21	7.88B	12.2 B	10.4 B	7.82	42.0	188	126	55.8	37.1	23.6	12.0B	12.0 B	21
22	7.97B	10.6 B	9.32B	8.60	49.8	192	134	55.3	37.1	23.8	10.7B	11.3 B	22
23	9.68B	10.2 B	9.08	9.57	54.9	190	119	54.0	36.6	25.5	10.5B	11.5 B	23
24	10.4 B	9.91B	8.49	10.0	54.8	173	101	51.8	35.6	26.2	10.6B	9.61B	24
25	10.4 B	9.34B	7.88	8.93	73.2	172	92.4	51.1	34.8	25.2	11.7B	9.74B	25
26	10.6 B	9.28B	8.17	8.87	74.6	169	87.9	52.3	36.8	24.8	12.8B	11.0 B	26
27	10.4 B	10.1 B	8.72	8.96	62.7	174	84.6	52.4	38.5	24.3	13.0B	9.99B	27
28	9.45B	11.3 B	8.35	9.57	52.5	172	84.0	53.6	36.8	23.6	14.2B	8.88B	28
29	9.52B		8.09	9.49	46.6	159	84.6	55.5	36.1	22.9	15.0B	8.74B	29
30	9.95B		7.74	9.06	43.1	154	85.5	52.1	33.8	20.9	15.0B	9.17B	30
31	9.87B		7.69		44.1		89.0	50.4		20.9		9.17B	31
TOTAL	277.78	297.20	273.87	241.19	916.54	4 088.7	3 232.4	1 955.5	1 448.9	800.9	436.9	360.3B	TOTAL
MEAN	8.96	10.6	8.83	8.04	29.6	136	104	63.1	48.3	25.8	14.6	11.6	MEAN
MAX	10.6	14.8	11.7	10.0	74.6	192	154	96.9	76.9	32.5	21.2	14.7	MAX
MIN	6.15	7.60	7.69	6.83	9.20	53.3	80.7	50.4	33.8	20.9	10.5	8.74	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.3
MAXIMUM DAILY, 192 ON JUN 22
MINIMUM DAILY, 6.15B ON JAN 16
MAXIMUM INSTANTANEOUS,
197 AT 05:00 MST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 30 N
LONG 115 34 10 W
DRAINAGE AREA, 2 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 000	JUL	279 000
FEB	25 700	AUG	169 000
MAR	23 700	SEP	125 000
APR	20 800	OCT	69 200
MAY	79 200	NOV	37 700
JUN	353 000	DEC	31 100

TOTAL DISCHARGE, 1 240 000 dam³

BOW RIVER AT CALGARY - STATION NO. 05BH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	48.5B	43.3B	41.6B	39.4B	94.0	84.2	244	117	73.7	66.9	61.1	55.5B	1
2	45.9B	52.4B	41.3B	39.6B	82.5	73.6	246	127	72.7	63.1	64.0	58.6B	2
3	49.3B	56.6B	41.1B	38.2B	82.2	74.2	245	124	72.5	63.7	64.3	60.0B	3
4	44.1B	51.0B	42.8B	36.5B	86.7	96.4	241	126	75.0	63.8	63.6	63.4B	4
5	50.1B	24.6B	43.3B	35.7B	89.0	123	229	118	71.7	64.5	66.2	55.8B	5
6	51.8B	55.8B	43.3B	35.7B	91.1	113	213	100	85.3	59.8	65.7	55.2B	6
7	49.3B	49.8B	43.6B	35.7B	91.5	130	203	94.2	83.9	53.1	55.6	60.6B	7
8	53.0B	51.5B	43.9B	36.2B	77.4	138	200	101	82.6	52.7	61.6	57.5B	8
9	55.2B	55.5B	45.0B	39.9B	67.5	123	177	99.0	82.5	54.9	66.8	56.4B	9
10	53.0B	56.4B	39.9B	42.2B	65.8	113	167	104	85.0	54.4	59.6	49.0B	10
11	55.5B	48.7B	40.2B	41.3B	60.6	151	185	107	89.7	57.2	52.5	43.0B	11
12	57.8B	11.0B	39.9B	39.9B	51.7	164	162	108	95.5	63.5	53.0B	47.0B	12
13	56.6B	51.8B	44.7B	40.6B	50.6	176	145	101	94.5	66.6	52.0B	47.3B	13
14	66.8B	51.3B	41.9B	51.8B	51.1	201	148	88.7	79.1	54.1	48.0B	59.7B	14
15	59.2B	43.0B	43.3B	53.0B	59.6	202	119	94.9	72.0	53.5	46.1B	64.6B	15
16	62.9B	51.5B	44.5B	47.0B	68.6	207	137	94.5	67.6	56.6	56.1B	60.6B	16
17	65.1B	48.7B	40.8B	51.8B	58.3	243	133	90.2	71.2	51.7	54.9B	64.8B	17
18	64.8B	51.5B	40.2B	51.5B	54.9	262	111	90.5	73.2	51.9	50.4B	60.3B	18
19	65.4B	53.2B	43.3B	53.2B	61.8	263	109	85.9	80.8	56.6	51.0B	63.1B	19
20	62.6B	56.9B	39.6B	51.3B	58.4	261	103	81.5	63.3	58.7	54.4B	66.5B	20
21	66.8B	52.1B	39.4B	50.1B	50.8	248	122	76.7	56.6	60.2	51.0B	64.0B	21
22	75.0B	58.0B	39.4B	51.5B	45.9	252	140	82.6	65.7	54.9	55.2B	70.2B	22
23	69.8B	54.9B	41.6B	59.2B	52.3	266	146	84.0	66.0	57.2	58.2B	70.2B	23
24	59.5B	58.4B	43.0B	64.5B	64.5	276	141	83.2	61.2	58.6	54.7B	69.1B	24
25	57.8B	49.8B	40.5B	66.3B	76.1	272	145	78.7	72.5	57.3	52.4B	62.9B	25
26	54.7B	45.9B	38.8B	65.7B	80.2	251	131	77.9	78.1	56.8	46.7B	61.4B	26
27	51.5B	46.2B	38.8B	66.5B	98.6	244	112	79.4	70.7	62.5	46.2B	62.0B	27
28	51.3B	45.0B	38.2B	77.3	94.6	258	118	76.4	57.1	60.4	44.2B	59.7B	28
29	58.9B		38.5B	64.6	90.3	274	129	80.2	61.9	65.3	42.8B	57.8B	29
30	44.2B		39.9B	91.9	85.9	262	115	78.6	64.1	69.4	47.3B	54.1B	30
31	45.6B		40.5B		83.4		111	74.9		64.6		54.4B	31
TOTAL	1 747.0	1 370.8	1 277.5	1 522.0	2 225.9	5 801.4	4 927	2 925.0	2 225.7	1 834.5	1 645.6	1 834.7	TOTAL
MEAN	56.4	49.0	41.2	50.7	71.8	193	159	94.4	74.2	59.2	54.9	59.2	MEAN
MAX	75.0	58.0	45.0	91.9	98.6	276	246	127	95.5	69.4	66.8	70.2	MAX
MIN	44.1	11.0	38.2	35.7	45.9	73.6	103	74.9	56.6	51.7	42.8	43.0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 80.4
MAXIMUM DAILY, 276 ON JUN 24
MINIMUM DAILY, 11.0B ON FEB 12
MAXIMUM INSTANTANEOUS,
305 AT 03:30 MST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 03 00 W
DRAINAGE AREA, 7 870 km²

B - ICE CONDITIONS

REGULATED SINCE 1913

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	171 000	JUL	426 000
FEB	118 000	AUG	253 000
MAR	110 000	SEP	192 000
APR	132 000	OCT	159 000
MAY	192 000	NOV	142 000
JUN	501 000	DEC	159 000

TOTAL DISCHARGE, 2 540 000 dam³

BOW RIVER AT CANMORE - STATION NO. 05BE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	17.2	53.1	190	117	68.6	40.5	43.3	39.3	1
2	---	---	---	---	17.5	60.7	177	120	55.9	39.7	43.9	40.0	2
3	---	---	---	---	21.0	50.2	169	107	57.0	38.7	41.5	39.6	3
4	---	---	---	---	23.6	57.0	175	94.2	57.7	40.2	43.4	39.4	4
5	---	---	---	---	16.6	57.2	179	88.5	76.5	38.4	42.4	39.0	5
6	---	---	---	---	18.7	60.3	167	84.7	75.0	39.9	41.6	39.9	6
7	---	---	---	8.47A	16.1	73.5	159	90.4	68.9	36.9	41.6	42.7	7
8	---	---	---	---	17.2	51.7	147	80.5	64.8	38.4	41.8	45.4	8
9	---	---	---	---	14.7	56.7	143	84.8	70.3	33.8	38.3	46.4	9
10	---	---	21.1A	---	14.0	57.1	137	86.3	86.5	34.5	40.3	40.8	10
11	---	---	---	---	16.0	83.4	128	87.8	80.4	31.0	33.6	36.2	11
12	---	---	---	---	16.4	119	117	86.5	64.2	38.8	36.3	36.9	12
13	---	---	---	---	20.5	144	108	80.6	58.0	36.8	32.1	41.4	13
14	---	---	---	---	16.2	181	110	68.2	57.1	35.9	31.9	42.2	14
15	---	---	---	---	15.9	198	127	66.3	55.0	32.2	34.2	45.1	15
16	---	---	---	---	18.5	211	108	60.0	53.9	31.4	39.2	45.7	16
17	---	---	---	---	27.9	206	91.0	61.7	52.0	35.3	40.1	45.6	17
18	---	---	---	14.7	33.1	197	86.4	69.8	48.3	38.4	42.1	42.4	18
19	---	29.8A	---	19.1	41.9	197	101	67.6	40.7	39.1	44.7	41.7	19
20	---	---	---	15.5	40.3	200	109	67.1	46.8	36.9	40.4	45.9B	20
21	51.4A	---	---	22.3	41.0	210	132	64.0	44.3	36.6	36.9	44.3B	21
22	---	---	---	20.9	45.3	215	145	63.1	45.7	35.7	40.5	46.4B	22
23	---	---	---	18.8	51.3	221	130	61.6	42.0	34.5	41.1	46.2B	23
24	---	---	---	20.8	52.5	199	109	59.8	48.2	41.4	42.7	46.4B	24
25	---	---	---	22.1	64.6	204	97.3	59.3	48.4	45.2	40.1	46.2B	25
26	---	---	---	19.6	71.8	202	93.4	64.4	41.8	45.9	40.9	42.0B	26
27	---	---	---	23.8	68.5	206	95.9	64.4	47.8	45.2	34.7	41.8B	27
28	---	---	---	25.0	54.3	205	95.8	76.1	47.4	45.7	35.4	41.7B	28
29	---		---	22.0	46.9	197	103	96.7	45.4	47.4	38.6	50.2B	29
30	---		---	20.2	43.1	187	97.1	95.9	45.5	43.1	40.1	49.3B	30
31	---		---		52.0		114	89.6		38.1		48.4B	31
TOTAL	---	---	---	---	1 014.6	4 359.9	3 940.9	2 463.9	1 694.1	1 195.6	1 183.7	1 338.5	TOTAL
MEAN	---	---	---	---	32.7	145	127	79.5	56.5	38.6	39.5	43.2	MEAN
MAX	---	---	---	---	71.8	221	190	120	86.5	47.4	44.7	50.2	MAX
MIN	---	---	---	---	14.0	50.2	86.4	59.3	40.7	31.0	31.9	36.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 221 ON JUN 23

MAXIMUM INSTANTANEOUS,
241 AT 08:45 MST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 12 N
LONG 115 21 48 W
DRAINAGE AREA, 3 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	340 000
FEB	---	AUG	213 000
MAR	---	SEP	146 000
APR	---	OCT	103 000
MAY	87 700	NOV	102 000
JUN	377 000	DEC	116 000

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.80B	1.76B	1.72B	1.23B	1.56	13.4	42.8	35.6	18.8	8.09	4.24	2.88B	1
2	1.79B	1.78B	1.68B	1.23B	1.73	16.0	40.4	33.9	19.6	7.91	4.11B	2.92B	2
3	1.78B	1.78B	1.64B	1.23B	1.89	18.8	39.4	30.7	20.5	7.88	4.61B	2.96B	3
4	1.76B	1.78B	1.62B	1.23B	2.00	21.6	40.0	26.8	26.4	7.35	3.89	2.98B	4
5	1.74B	1.76B	1.60B	1.23B	1.68	22.6	35.0	23.2	29.7	6.87	3.90	3.00B	5
6	1.72B	1.74B	1.58B	1.23B	1.80	23.0	31.2	22.3	26.0	6.51	3.85	2.95B	6
7	1.70B	1.72B	1.52B	1.23B	2.02	20.7	28.9	22.2	23.7	6.27	3.81	2.88B	7
8	1.69B	1.69B	1.50B	1.23B	1.89	18.2	27.3	22.9	27.4	6.00	4.20B	2.82B	8
9	1.68B	1.68B	1.47B	1.23B	1.79	16.8	26.7	24.4	30.3	5.64	3.90B	2.75B	9
10	1.68B	1.64B	1.43B	1.29	1.86	18.1	26.0	25.4	30.4	5.47	3.70B	2.70B	10
11	1.67B	1.64B	1.41B	1.22	2.15	21.8	26.1	25.7	24.9	5.28	3.45B	2.64B	11
12	1.68B	1.64B	1.40B	1.29	2.52	27.4	25.7	24.4	20.7	5.20	3.25B	2.58B	12
13	1.69B	1.64B	1.42B	1.36	2.87	33.1	24.5	21.5	17.8	5.06	3.15B	2.52B	13
14	1.70B	1.64B	1.44B	1.30B	3.45	39.7	30.0	20.0	15.5	5.28	3.10B	2.50B	14
15	1.71B	1.64B	1.46B	1.34B	4.10	44.0	31.0	18.1	13.7	5.43	3.00B	2.43B	15
16	1.72B	1.68B	1.40B	1.38B	5.11	46.1	26.2	16.5	12.5	5.72	3.00B	2.40B	16
17	1.73B	1.69B	1.37B	1.35B	6.31	45.5	23.6	20.1	11.7	6.26	2.90B	2.38B	17
18	1.72B	1.69B	1.31B	1.30B	7.85	43.5	25.3	19.6	11.5	5.82	2.80B	2.33B	18
19	1.71B	1.70B	1.28B	1.30B	8.76	43.6	28.0	18.9	11.2	5.55	2.75B	2.33B	19
20	1.70B	1.72B	1.27B	1.30B	9.61	44.6	35.6	18.8	10.8	5.28	2.75B	2.33B	20
21	1.70B	1.74B	1.26B	1.33B	11.4	46.1	45.3	19.7	10.7	5.06	2.75B	2.36B	21
22	1.68B	1.76B	1.24B	1.35B	13.5	48.3	49.3	19.6	11.2	5.12	2.78B	2.38B	22
23	1.66B	1.76B	1.22B	1.38B	14.8	47.1	41.7	19.0	11.1	6.20	2.83B	2.38B	23
24	1.66B	1.76B	1.20B	1.41B	15.6	44.1	35.0	18.7	10.8	5.83	2.87B	2.38B	24
25	1.68B	1.76B	1.20B	1.43B	17.7	44.2	31.4	18.8	11.1	5.57	2.90B	2.36B	25
26	1.70B	1.76B	1.20B	1.46B	17.0	46.2	28.8	19.0	12.1	5.37	2.92B	2.32B	26
27	1.71B	1.76B	1.20B	1.48B	15.2	47.4	28.4	19.6	11.1	5.18	2.92B	2.28B	27
28	1.72B	1.76B	1.20B	1.52	13.6	47.0	28.9	21.2	10.5	4.98	2.92B	2.22B	28
29	1.72B		1.20B	1.49	12.3	43.7	29.5	20.3	9.62	4.68	2.92B	2.18B	29
30	1.75B		1.23B	1.48	11.5	42.7	30.8	19.2	8.71	4.61	2.90B	2.12B	30
31	1.75B		1.23B		11.8		35.2	19.0		4.36		2.10B	31
TOTAL	53.10	48.07	42.90	39.83	225.35	1 035.3	998.0	685.1	510.03	179.83	99.07	78.36	TOTAL
MEAN	1.71	1.72	1.38	1.33	7.27	34.5	32.2	22.1	17.0	5.80	3.30	2.53	MEAN
MAX	1.80	1.78	1.72	1.52	17.7	48.3	49.3	35.6	30.4	8.09	4.61	3.00	MAX
MIN	1.66	1.64	1.20	1.22	1.56	13.4	23.6	16.5	8.71	4.36	2.75	2.10	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.9
MAXIMUM DAILY, 49.3 ON JUL 22
MINIMUM DAILY, 1.20B ON MAR 24
MAXIMUM INSTANTANEOUS,
51.8 AT 05:20 MST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 42 N
LONG 116 11 15 W
DRAINAGE AREA, 422 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 590	JUL	86 200
FEB	4 150	AUG	59 200
MAR	3 710	SEP	44 100
APR	3 440	OCT	15 500
MAY	19 500	NOV	8 560
JUN	89 400	DEC	6 770

TOTAL DISCHARGE, 345 000 dam³

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	96.8	59.4	258	23.1 E	27.7	5.07	75.8A	---	1
2	---	---	---	---	130	56.0	240	22.0 E	25.5	10.4	---	---	2
3	---	---	---	---	95.0	50.5	219	20.9 A	11.9	24.4	---	---	3
4	---	---	---	---	83.3	52.0	215	31.6	11.5	18.4	---	---	4
5	---	---	---	---	85.1	77.0	259	30.9	11.5	15.3	---	---	5
6	---	---	---	---	91.9	132	222	30.4	14.8	15.2	---	---	6
7	---	---	---	---	91.8	141	209	26.8	16.0	20.0	---	---	7
8	---	---	---	---	92.8	140	183	8.56	27.8	16.3	---	---	8
9	---	---	---	---	91.7	163	180	6.19	22.5	11.8	---	---	9
10	---	---	---	---	70.8	124	169	6.55	17.2	10.4	---	---	10
11	---	---	---	---	66.1	117	137	14.8	18.1	10.2	---	---	11
12	---	---	---	---	54.4	131	157	23.3	24.3	8.47	---	---	12
13	---	---	---	---	37.4	200	126	18.2	25.8	9.32	---	---	13
14	---	---	---	---	32.9	150	133	33.4	36.5	25.5	---	---	14
15	---	---	---	---	28.4	213	98.2	16.0	31.1	55.1	---	---	15
16	---	---	---	---	33.0	216	89.3	12.7	17.0	40.8	---	---	16
17	---	---	---	---	30.2	222	81.6	9.64	11.5	37.8	---	---	17
18	---	---	---	---	36.1	245	101	10.3	11.1	37.3	---	---	18
19	---	---	---	---	39.9	247	47.9A	10.4	12.5	33.5	---	---	19
20	---	---	---	---	39.4	237	59.5E	12.1	15.1	43.6	---	---	20
21	---	---	---	---	39.1	222	46.8E	11.2	11.7	43.7	---	---	21
22	---	---	---	---	32.9	209	31.0E	8.18	12.5	47.1	---	---	22
23	---	---	---	---	24.9	175	43.5E	6.76A	5.92	53.9	---	---	23
24	---	---	---	---	14.4	220	58.8E	6.39	4.77	47.4	---	---	24
25	---	---	---	---	15.1	208	60.6E	6.47	4.40	99.2	---	---	25
26	---	---	---	112 A	28.8	213	52.8E	10.1	4.12	58.9	---	---	26
27	---	---	---	85.1	102	199	48.9E	9.29	13.1	48.2	---	---	27
28	---	---	---	108	78.9	190	30.9E	11.8	52.6	52.8	---	---	28
29	---		---	101	103	224	17.5E	15.2	24.9	78.4	---	---	29
30	---		---	91.0	77.9	248	22.4E	12.8	3.84	67.5	---	---	30
31	---		---		67.6		23.3E	14.2		72.6		---	31
TOTAL	---	---	---	---	1 911.6	5 080.9	3 620.6	480.23	527.25	1 118.56	---	---	TOTAL
MEAN	---	---	---	---	61.7	169	117	15.5	17.6	36.1	---	---	MEAN
MAX	---	---	---	---	130	248	259	33.4	52.6	99.2	---	---	MAX
MIN	---	---	---	---	18.4	50.5	17.5	6.19	3.84	5.07	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 69.2
MAXIMUM DAILY, 259 ON JUL 5
MINIMUM DAILY, 3.84 ON SEP 30
MAXIMUM INSTANTANEOUS,
363 AT 08:25 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 32 20 W
DRAINAGE AREA, 20 300 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	313 000
FEB	---	AUG	41 500
MAR	---	SEP	45 600
APR	---	OCT	96 600
MAY	165 000	NOV	---
JUN	439 000	DEC	---

TOTAL DISCHARGE, 1 100 000 dam³

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	126	88.2	298	76.9	43.4	44.1	---	---	1
2	---	---	---	---	108	91.9	284	76.9	40.9	46.2	---	---	2
3	---	---	---	---	101	94.2	271	93.8	38.9	42.8	---	---	3
4	---	---	---	---	109	114	265	88.9	42.3	45.7	---	---	4
5	---	---	---	---	106	170	262	90.8	55.0	50.7	---	---	5
6	---	---	---	---	106	181	247	69.4	47.7	52.9	---	---	6
7	---	---	---	---	104	186	222	52.3	61.2	42.0	---	---	7
8	---	---	---	---	99.0	210	213	54.2	56.6	40.0	---	---	8
9	---	---	---	---	76.6	183	207	58.9	52.4	37.1	---	---	9
10	---	---	---	---	64.0	167	168	57.5	58.4	35.9	---	---	10
11	---	---	---	---	55.4	177	195	70.1	58.6	38.2	---	---	11
12	---	---	---	---	36.7	236	183	63.4	70.4	47.1	---	---	12
13	---	---	---	---	27.6	216	147	72.2	76.7	64.0	---	---	13
14	---	---	---	---	27.9	259	141	48.7	64.0	58.5	---	---	14
15	---	---	---	---	37.0	265	119	49.7	43.0	55.2	---	---	15
16	---	---	---	---	64.6	280	110	59.2	41.6	60.2	---	---	16
17	---	---	---	---	58.3	299	133	48.5	34.7	60.6	---	---	17
18	---	---	---	---	47.5	309	95.2	55.7	51.7	55.3	---	---	18
19	---	---	---	---	55.2	294	90.4	50.3	43.1	63.2	---	---	19
20	---	---	---	71.3	53.7	289	77.1	44.9	42.7	65.0	---	---	20
21	---	---	---	71.9	38.0	281	85.1	36.0	25.3	67.8A	---	---	21
22	---	---	---	79.9	29.8	269	110	38.0	30.2	68.6A	---	---	22
23	---	---	---	92.6	30.1	284	124	44.1	30.5	64.6A	---	---	23
24	---	---	---	113	47.1	292	114	46.1	27.8	70.9A	---	---	24
25	---	---	---	110	64.9	292	119	43.2	31.2	65.9	---	---	25
26	---	---	---	104	75.3	277	121	42.7	59.6	68.2	---	---	26
27	---	---	---	101	123	265	87.3	47.8	78.9A	67.7	---	---	27
28	---	---	---	104	124	282	79.6	43.4	52.0E	73.4A	---	---	28
29	---		---	96.7	105	305	93.0	47.1	33.3	72.0E	---	---	29
30	---		---	94.4	93.8	327	86.2	47.9	38.4	70.0E	---	---	30
31	---		---		84.0		69.1	52.8		68.0E		---	31
TOTAL	---	---	---	---	2 278.5	6 983.3	4 816.0	1 771.4	1 430.5	1 761.8	---	---	TOTAL
MEAN	---	---	---	---	73.5	233	155	57.1	47.7	56.8	---	---	MEAN
MAX	---	---	---	---	126	327	298	93.8	78.9	73.4	---	---	MAX
MIN	---	---	---	---	27.6	88.2	69.1	36.0	25.3	35.9	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 103
MAXIMUM DAILY, 327 ON JUN 30
MINIMUM DAILY, 25.3 ON SEP 21
MAXIMUM INSTANTANEOUS,
366 AT 08:44 MST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 50 N
LONG 113 25 00 W
DRAINAGE AREA, 15 700 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	416 000
FEB	---	AUG	153 000
MAR	---	SEP	124 000
APR	---	OCT	152 000
MAY	197 000	NOV	---
JUN	603 000	DEC	---

TOTAL DISCHARGE, 1 650 000 dam³

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	89.3	68.8	230	124	76.1	64.5	67.9	---	1
2	---	---	---	---	74.4	71.9	231	130	77.6	61.0	61.7A	---	2
3	---	---	---	---	83.3	83.1	226	123	72.2	58.9	---	---	3
4	---	---	---	---	89.2	102	221	124	73.1	63.3	---	---	4
5	---	---	---	---	90.4	121	216	112	73.6	61.7	---	---	5
6	---	---	---	---	88.3	118	202	104	87.9	58.3	---	---	6
7	---	---	---	---	83.3	122	199	104	83.3	53.8	---	---	7
8	---	---	---	---	69.6	121	190	104	80.9	55.5	---	---	8
9	---	---	---	---	64.1	117	157	104	83.9	55.5	---	---	9
10	---	---	---	---	64.5	109	167	104	90.9	51.0	---	---	10
11	---	---	---	---	51.2	157	164	101	99.7	52.9	---	---	11
12	---	---	---	---	48.5	143	149	100	96.5	55.1	---	---	12
13	---	---	---	---	48.8	181	159	98.8	81.6	54.3	---	---	13
14	---	---	---	---	50.1	191	129	96.5	78.8	56.1	---	---	14
15	---	---	---	---	48.4	194	120	96.5	78.9	55.3	---	---	15
16	---	---	---	---	58.3	216	129	92.9	76.8	53.6	---	---	16
17	---	---	---	---	58.4	246	121	91.5	76.1	51.2	---	---	17
18	---	---	---	---	53.4	252	104	92.7	79.2	53.1	---	---	18
19	---	---	---	54.8A	55.6	249	108	86.1	74.1	60.6	---	---	19
20	---	---	---	50.7	51.2	248	110	85.3	69.3	60.5	---	---	20
21	---	---	---	59.6	49.5	250	110	83.8	63.6	58.3	---	---	21
22	---	---	---	56.1	48.5	254	138	81.4	63.3	54.2	---	---	22
23	---	---	---	51.1	58.9	261	145	81.4	64.7	52.7	---	---	23
24	---	---	---	62.9	73.0	266	149	82.8	63.6	49.9	---	---	24
25	---	---	---	60.5	76.3	248	130	89.5	63.5	57.7	---	---	25
26	---	---	---	61.6	87.1	234	130	74.8	65.6	64.7	---	---	26
27	---	---	---	61.9	91.0	241	123	72.5	64.6	62.0	---	---	27
28	---	---	---	64.0	89.1	253	123	78.7	71.3	65.6	---	---	28
29	---		---	59.6	89.8	251	112	78.9	64.6	68.9	---	---	29
30	---		---	99.5	78.2	241	119	75.9	66.5	62.4	---	---	30
31	---		---		82.9		123	75.5		56.2		---	31
TOTAL	---	---	---	---	2 160.6	5 609.8	4 734	2 949.5	2 261.8	1 784.8	---	---	TOTAL
MEAN	---	---	---	---	69.7	187	153	95.1	75.4	57.6	---	---	MEAN
MAX	---	---	---	---	91.0	266	231	130	99.7	68.9	---	---	MAX
MIN	---	---	---	---	48.5	68.8	104	72.5	63.3	49.9	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 266 ON JUN 24

MAXIMUM INSTANTANEOUS,
268 AT 04:24 MST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 50 N
LONG 114 36 40 W
DRAINAGE AREA, 6 550 km²
A - MANUAL GAUGE

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	489 000
FEB	---	AUG	255 000
MAR	---	SEP	195 000
APR	---	OCT	154 000
MAY	187 000	NOV	---
JUN	485 000	DEC	---

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.023	0.076	0.950	0.778E	0.042	0.112	0.043	---	1
2	---	---	---	---	0.021	0.089	1.38	0.737E	0.034	0.104	0.036B	---	2
3	---	---	---	---	0.019	0.096	0.866	0.698E	0.032	0.099	---	---	3
4	---	---	---	---	0.019	0.104	0.726	0.658E	0.034A	0.095	---	---	4
5	---	---	---	---	0.020	0.248	0.810	0.534A	0.036E	0.089	---	---	5
6	---	---	---	---	0.020	0.135	0.947	0.466	0.039E	0.086	---	---	6
7	---	---	---	---	0.021	0.162	0.711	0.431	0.043E	0.082	---	---	7
8	---	---	---	---	0.021	0.216	0.402	0.513	0.041E	0.080	---	---	8
9	---	---	---	---	0.021	0.122	0.370	0.581	0.039E	0.129	---	---	9
10	---	---	---	---	0.021	0.140	0.359	0.601	0.039E	0.273	---	---	10
11	---	---	---	---	0.019	0.287	0.323	0.755	0.040E	0.250	---	---	11
12	---	---	---	---	0.018	0.340	0.377	0.404	0.039E	0.174	---	---	12
13	---	---	---	---	0.017	0.257	0.460	0.414	0.039E	0.142	---	---	13
14	---	---	---	---	0.015	0.358	0.451	0.236	0.040E	0.104	---	---	14
15	---	---	---	---	0.015	0.501	0.623	0.216	0.179E	0.185	---	---	15
16	---	---	---	---	0.016	0.508	0.584	0.276	0.218E	0.305	---	---	16
17	---	---	---	---	0.016	0.469	0.487	0.243	0.190E	0.339	---	---	17
18	---	---	---	---	0.017	0.410	0.468	0.385	0.164E	0.339	---	---	18
19	---	---	---	---	0.020	0.490	0.420	0.284	0.139E	0.320	---	---	19
20	---	---	---	---	0.018	0.646	0.358A	0.248	0.115E	0.372	---	---	20
21	---	---	---	---	0.017	0.544	0.345E	0.216	0.096E	0.203	---	---	21
22	---	---	---	0.034A	0.016	0.329	0.345E	0.163	0.080A	0.108	---	---	22
23	---	---	---	0.031	0.016	0.414	0.403E	0.167	0.073	0.093	---	---	23
24	---	---	---	0.030	0.015	0.369	0.551E	0.081	0.070A	0.078	---	---	24
25	---	---	---	0.029	0.014	0.345	0.790E	0.071	0.105E	0.068	---	---	25
26	---	---	---	0.028	0.028	0.336	1.02 E	0.083	0.218E	0.063	---	---	26
27	---	---	---	0.027	0.043	0.658	0.995E	0.087	0.203E	0.053	---	---	27
28	---	---	---	0.025	0.043	0.603	0.950E	0.092	0.168E	0.047	---	---	28
29	---		---	0.024	0.062	0.565	0.907E	0.098	0.145A	0.045	---	---	29
30	---		---	0.023	0.077	0.749	0.861E	0.083	0.126	0.046	---	---	30
31	---		---		0.069		0.820E	0.064		0.045		---	31
TOTAL	---	---	---	---	0.777	10.566	20.059	10.663	2.826	4.528	---	---	TOTAL
MEAN	---	---	---	---	0.025	0.352	0.647	0.344	0.094	0.146	---	---	MEAN
MAX	---	---	---	---	0.077	0.749	1.38	0.778	0.218	0.372	---	---	MAX
MIN	---	---	---	---	0.014	0.076	0.323	0.064	0.032	0.045	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.269
MAXIMUM DAILY, 1.38 ON JUL 2
MINIMUM DAILY, 0.014 ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 05 N
LONG 111 43 57 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 730
FEB	---	AUG	921
MAR	---	SEP	244
APR	---	OCT	391
MAY	67.1	NOV	---
JUN	913	DEC	---

TOTAL DISCHARGE, 4 270 dam³

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.344	1.80	1.33	0.799	0.583	0	---	1
2	---	---	---	---	0	0.320	2.53	1.54	0.805	0.604	0	---	2
3	---	---	---	---	0	0.284	1.88	1.29	0.546	0.598	0	---	3
4	---	---	---	---	0	0.350	1.46	1.09	0.840	0.564	0A	---	4
5	---	---	---	---	0	0.528	1.39	1.02	1.09	0.463	---	---	5
6	---	---	---	---	0	0.707	1.19	0.988	1.11	0.342	---	---	6
7	---	---	---	---	0	0.726	0.836	1.16	0.902	0.338	---	---	7
8	---	---	---	---	0	0.754	0.617	1.19	0.745	0.321	---	---	8
9	---	---	---	---	0	0.582	0.619	1.36	0.645	0.293	---	---	9
10	---	---	---	---	0	0.571	0.609	1.31	0.637	0.291	---	---	10
11	---	---	---	---	0	0.514	0.629	1.52	0.925	0.288	---	---	11
12	---	---	---	---	0	0.731	0.709	1.42	1.11	0.311	---	---	12
13	---	---	---	---	0	0.709	1.06	1.28	1.16	0.409	---	---	13
14	---	---	---	---	0	0.754	1.10	1.02	0.861	0.545	---	---	14
15	---	---	---	---	0	0.430	1.01	0.854	0.898	0.563	---	---	15
16	---	---	---	---	0	0.728	0.964	0.772	0.754	0.656	---	---	16
17	---	---	---	---	0	0.733	1.09	0.774	0.822	0.630	---	---	17
18	---	---	---	---	0	0.660	1.15	1.13	0.986	0.688	---	---	18
19	---	---	---	---	0	0.608	1.15	0.840	1.20	0.686	---	---	19
20	---	---	---	---	0	0.806	0.948	0.886	1.15	0.706	---	---	20
21	---	---	---	---	0.225	0.855	0.944	1.03	1.08	0.712	---	---	21
22	---	---	---	---	0.350	0.909	1.00	1.19	1.03	0.741	---	---	22
23	---	---	---	---	0.479	0.941	0.912	1.31	0.898	0.554	---	---	23
24	---	---	---	---	0.666	0.984	0.910	1.23	1.07	0.354	---	---	24
25	---	---	---	---	0.745	1.15	1.01	1.12	1.15	0.220	---	---	25
26	---	---	---	---	1.02	1.10	1.70	1.36	1.51	0.055	---	---	26
27	---	---	---	---	1.00	1.32	0.991	1.15	1.58	0.021	---	---	27
28	---	---	---	---	0.625	1.30	1.14	0.795	0.828	0.002	---	---	28
29	---		---	0A	0.536	1.28	1.26	0.783	0.598	0	---	---	29
30	---		---	0	0.526	1.40	1.16	0.842	0.589	0	---	---	30
31	---		---		0.481		1.09	0.808		0		---	31
TOTAL	---	---	---	---	6.653	23.078	34.858	34.392	28.318	12.538	---	---	TOTAL
MEAN	---	---	---	---	0.215	0.769	1.12	1.11	0.944	0.404	---	---	MEAN
MAX	---	---	---	---	1.02	1.40	2.53	1.54	1.58	0.741	---	---	MAX
MIN	---	---	---	---	0	0.284	0.609	0.772	0.546	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.760
MAXIMUM DAILY, 2.53 ON JUL 2
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 112 02 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 010
FEB	---	AUG	2 970
MAR	---	SEP	2 450
APR	---	OCT	1 080
MAY	575	NOV	---
JUN	1 990	DEC	---

TOTAL DISCHARGE, 12 100 dam³

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.198	0.313	0.169	0.284	0.163E	0.006E	---	1
2	---	---	---	---	0	0.170	0.401	0.318	0.177	0.157E	0.006E	---	2
3	---	---	---	---	0	0.218	0.377	0.335	0.197	0.158E	0.005E	---	3
4	---	---	---	---	0	0.264	0.375	0.246	0.220	0.149E	0.001B	---	4
5	---	---	---	---	0	0.317	0.338	0.240	0.263	0.123E	---	---	5
6	---	---	---	---	0	0.392	0.282	0.199	0.328	0.094E	---	---	6
7	---	---	---	---	0	0.306	0.227	0.225	0.241	0.092E	---	---	7
8	---	---	---	---	0	0.225	0.151	0.216	0.208	0.085E	---	---	8
9	---	---	---	---	0	0.240	0.149	0.226	0.196	0.084E	---	---	9
10	---	---	---	---	0	0.205	0.089	0.235	0.183	0.079E	---	---	10
11	---	---	---	---	0	0.225	0.091	0.336	0.167	0.072E	---	---	11
12	---	---	---	---	0	0.206	0.094	0.245	0.144	0.071E	---	---	12
13	---	---	---	---	0	0.233	0.177	0.253	0.127	0.077E	---	---	13
14	---	---	---	---	0	0.222	0.208	0.224	0.109	0.079E	---	---	14
15	---	---	---	---	0	0.213	0.239	0.113	0.114	0.079E	---	---	15
16	---	---	---	---	0	0.180	0.169	0.185	0.181	0.082E	---	---	16
17	---	---	---	---	0	0.204	0.276	0.235	0.120	0.089E	---	---	17
18	---	---	---	---	0	0.211	0.250	0.285	0.214	0.098E	---	---	18
19	---	---	---	---	0	0.147	0.221	0.269	0.248	0.102E	---	---	19
20	---	---	---	---	0.056	0.159	0.234	0.271	0.216	0.110A	---	---	20
21	---	---	---	---	0.104	0.232	0.186	0.205	0.177	0.101E	---	---	21
22	---	---	---	0.007A	0.124	0.231	0.231	0.163	0.156	0.088E	---	---	22
23	---	---	---	0.002	0.215	0.262	0.209	0.209	0.184	0.072E	---	---	23
24	---	---	---	0	0.305	0.180	0.195	0.132	0.120	0.056E	---	---	24
25	---	---	---	0	0.341	0.216	0.256	0.133	0.228	0.042E	---	---	25
26	---	---	---	0	0.382	0.211	0.268	0.196	0.277	0.019E	---	---	26
27	---	---	---	0	0.517	0.244	0.167	0.242	0.407A	0.010E	---	---	27
28	---	---	---	0	0.436	0.242	0.227	0.215	0.246E	0.007E	---	---	28
29	---		---	0	0.230	0.261	0.222	0.147	0.156E	0.005E	---	---	29
30	---		---	0	0.256	0.264	0.199	0.256	0.147E	0.005E	---	---	30
31	---		---		0.220		0.201	0.321		0.006E		---	31
TOTAL	---	---	---	---	3.186	6.878	7.022	7.004	5.989	2.454	---	---	TOTAL
MEAN	---	---	---	---	0.103	0.229	0.227	0.226	0.200	0.079	---	---	MEAN
MAX	---	---	---	---	0.517	0.392	0.401	0.336	0.407	0.163	---	---	MAX
MIN	---	---	---	---	0	0.147	0.089	0.113	0.109	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.177
MAXIMUM DAILY, 0.517 ON MAY 27
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 43 N
LONG 112 05 18 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	607
FEB	---	AUG	605
MAR	---	SEP	517
APR	---	OCT	212
MAY	275	NOV	---
JUN	594	DEC	---

TOTAL DISCHARGE, 2 810 dam³

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.062	0.562	3.01	2.75	2.34	3.33	0.247A	---	1
2	---	---	---	---	0.058	0.379	3.40	2.52	2.28	3.17	---	---	2
3	---	---	---	---	0.050	0.255	3.73	2.34	2.17	2.91	---	---	3
4	---	---	---	---	0.064	0.064	3.48	2.45	2.04	2.54	---	---	4
5	---	---	---	---	0.071	0.543	3.48	2.54	2.01	2.10	---	---	5
6	---	---	---	---	0.070	2.08	3.63	2.58	1.95	1.89	---	---	6
7	---	---	---	---	0.075	2.61	3.52	2.60	1.89	1.81	---	---	7
8	---	---	---	---	0.074	2.86	3.50	2.50	1.86	1.92	---	---	8
9	---	---	---	---	0.077	2.97	3.46	2.29	1.82	1.69	---	---	9
10	---	---	---	---	0.076	2.50	3.28	2.36	1.78	1.35	---	---	10
11	---	---	---	---	0.069	2.23	2.68	2.48	1.61	1.06	---	---	11
12	---	---	---	---	0.068	1.92	1.68	2.77	1.33	0.899	---	---	12
13	---	---	---	---	0.070	1.74	1.05	3.12	1.19	0.785	---	---	13
14	---	---	---	---	0.063	1.62	0.939	3.16	1.04	0.746	---	---	14
15	---	---	---	---	0.057	1.53	0.862	2.96	0.976	0.229	---	---	15
16	---	---	---	---	0.059	1.72	1.68	2.67	1.02	0.196	---	---	16
17	---	---	---	---	0.053	1.69	2.35	2.49	0.993	0.213	---	---	17
18	---	---	---	---	0.057	2.24	2.35	2.47	1.07	0.371	---	---	18
19	---	---	---	---	0.060	2.88	2.31	2.54	1.08	0.540	---	---	19
20	---	---	---	0.123A	0.054	3.12	2.23	2.41	0.993	0.650	---	---	20
21	---	---	---	0.168	0.052	2.43	1.89	2.28	0.873	0.804	---	---	21
22	---	---	---	0.157	0.049	2.86	1.63	2.28	0.814	0.948	---	---	22
23	---	---	---	0.125	0.486	2.84	1.58	2.35	0.760	1.14	---	---	23
24	---	---	---	0.108	1.13	2.16	1.48	2.51	0.595	1.28	---	---	24
25	---	---	---	0.093	1.16	1.79	1.50	2.67	1.03	1.05	---	---	25
26	---	---	---	0.085	1.13	1.63	1.77	2.65	2.28	0.743	---	---	26
27	---	---	---	0.078	0.909	1.80	1.78	2.57	3.10	0.515	---	---	27
28	---	---	---	0.069	1.23	2.19	2.06	2.52	3.41	0.404	---	---	28
29	---		---	0.060	1.39	2.54	2.65	2.62	3.68	0.347	---	---	29
30	---		---	0.064	1.44	2.80	2.94	2.52	3.66	0.296	---	---	30
31	---		---		0.840		2.94	2.48		0.251		---	31
TOTAL	---	---	---	---	11.103	58.553	74.801	79.45	51.644	36.177	---	---	TOTAL
MEAN	---	---	---	---	0.358	1.95	2.41	2.56	1.72	1.17	---	---	MEAN
MAX	---	---	---	---	1.44	3.12	3.73	3.16	3.68	3.33	---	---	MAX
MIN	---	---	---	---	0.049	0.064	0.862	2.28	0.595	0.196	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.69
MAXIMUM DAILY, 3.73 ON JUL 3
MINIMUM DAILY, 0.049 ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 25 N
LONG 112 10 52 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 460
FEB	---	AUG	6 860
MAR	---	SEP	4 460
APR	---	OCT	3 130
MAY	959	NOV	---
JUN	5 060	DEC	---

TOTAL DISCHARGE, 26 900 dam³

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.387E	0.283A	0.782	0.961	0.344	0.358	0.013B	---	1
2	---	---	---	---	0.348E	0.380	1.05	1.03	0.336	0.289	0.002B	---	2
3	---	---	---	---	0.341E	0.997	1.07	1.08	0.387	0.172	---	---	3
4	---	---	---	---	0.245E	0.836	1.01	1.03	0.481	0.087	---	---	4
5	---	---	---	---	0.154E	0.437	0.960	0.872	0.537	0.048	---	---	5
6	---	---	---	---	0.067E	0.519	1.09	0.898	0.564	0.107	---	---	6
7	---	---	---	---	0.015E	0.577	1.04	0.937	0.551	0.104	---	---	7
8	---	---	---	---	0.010E	0.642	0.765	0.894	0.497	0.041	---	---	8
9	---	---	---	---	0.010E	0.674	0.890	1.06	0.247	0.270	---	---	9
10	---	---	---	---	0.009E	0.537	0.851	1.14	0.194	0.342	---	---	10
11	---	---	---	---	0.009E	0.690	0.939	1.07	0.303	0.323	---	---	11
12	---	---	---	---	0.008A	0.668	0.975	0.894	0.339	0.324	---	---	12
13	---	---	---	---	0.006	0.743	1.05	0.978	0.332	0.351	---	---	13
14	---	---	---	---	0.003	0.767	1.05	0.890	0.384	0.343	---	---	14
15	---	---	---	---	0	0.625	1.04	0.955	0.265	0.422	---	---	15
16	---	---	---	---	0.003	0.626	0.930	1.03	0.080	0.495	---	---	16
17	---	---	---	---	0.003A	0.710	0.903	1.11	0.068	0.552	---	---	17
18	---	---	---	---	0.002E	0.738	0.936	1.08	0.054	0.575	---	---	18
19	---	---	---	---	0 E	0.770	0.968	1.04	0.043	0.564	---	---	19
20	---	---	---	---	0 E	0.801	0.850	1.00	0.053	0.510	---	---	20
21	---	---	---	---	0 E	0.821	0.688	1.03	0.106	0.540	---	---	21
22	---	---	---	0.012A	0 E	0.774	0.701	0.950	0.136	0.406	---	---	22
23	---	---	---	0.002	0 E	0.773	0.783	0.924	0.146	0.297	---	---	23
24	---	---	---	0	0 E	0.739	0.786	1.02	0.146	0.141	---	---	24
25	---	---	---	0.001	0 E	0.746	0.944	0.807	0.140	0.071	---	---	25
26	---	---	---	0.002	0.016E	0.732	1.10	0.689	0.140	0.057	---	---	26
27	---	---	---	0.004	0.124E	0.740	1.06	0.695	0.242	0.036	---	---	27
28	---	---	---	0.260	0.339E	0.743	1.08	0.449	0.360	0.028	---	---	28
29	---		---	0.452	0.618E	0.870	1.05	0.359	0.407	0.022	---	---	29
30	---		---	0.413A	0.577E	0.796	0.985	0.342	0.387	0.017B	---	---	30
31	---		---		0.419E		0.969	0.330		0.013B		---	31
TOTAL	---	---	---	---	3.713	20.754	29.295	27.544	8.265	7.905	---	---	TOTAL
MEAN	---	---	---	---	0.120	0.692	0.945	0.889	0.276	0.255	---	---	MEAN
MAX	---	---	---	---	0.618	0.997	1.10	1.14	0.564	0.575	---	---	MAX
MIN	---	---	---	---	0	0.283	0.688	0.330	0.043	0.013	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.530
MAXIMUM DAILY, 1.14 ON AUG 10
MINIMUM DAILY, 0 ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 111 43 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 530
FEB	---	AUG	2 380
MAR	---	SEP	714
APR	---	OCT	683
MAY	321	NOV	---
JUN	1 790	DEC	---

TOTAL DISCHARGE, 8 420 dam³

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0 E	27.2	31.4	30.0	26.0	28.5	0E	---	1
2	---	---	---	0E	0 E	27.2	30.9	29.8	27.9	26.3	0E	---	2
3	---	---	---	0E	0 A	27.4	31.0	29.9	28.0	25.5	0E	---	3
4	---	---	---	0E	0 E	27.5	31.0	29.9	28.0	23.9	0E	---	4
5	---	---	---	0E	0 E	28.2	31.0	29.9	28.0	23.5	0E	---	5
6	---	---	---	0E	0 E	28.8	30.9	29.6	26.9	23.6	0E	---	6
7	---	---	---	0A	0 E	28.7	30.7	29.1	27.8	23.3	0E	---	7
8	---	---	---	0E	4.58	28.9	30.0	28.9	29.2	23.0	0E	---	8
9	---	---	---	0E	4.40	28.7	29.9	28.9	29.5	19.6	0E	---	9
10	---	---	---	0E	4.40	28.6	26.7	28.9	29.6	19.1	0E	---	10
11	---	---	---	0E	7.59	28.6	25.6	28.8	29.7	19.2	0E	---	11
12	---	---	---	0E	8.99	28.9	25.7	28.8	27.9	15.1	0E	---	12
13	---	---	---	0E	8.91	29.3	25.4	29.1	26.3	13.6	0E	---	13
14	---	---	---	0E	12.3	29.4	27.5	29.3	28.7	8.35	0E	---	14
15	---	---	---	0E	13.7	29.7	28.7	29.1	30.2	5.62	0E	---	15
16	---	---	---	0E	14.0	29.8	28.2	29.2	30.2	2.20	0E	---	16
17	---	---	---	0E	14.3	29.6	28.4	29.0	30.0	0.401	0E	---	17
18	---	---	---	0E	18.4	29.7	28.3	28.8	29.8	0.092	0E	---	18
19	---	---	---	0E	22.7	28.3	27.8	29.0	27.6	0 A	0E	---	19
20	---	---	---	0E	23.5	30.5	29.4	29.0	30.1	0 E	0E	---	20
21	---	---	---	0E	23.3	31.4	30.0	28.8	30.6	0 E	0E	---	21
22	---	---	---	0E	25.3	31.0	30.2	28.5	30.1	0 E	0E	---	22
23	---	---	---	0E	26.0	31.2	30.6	28.8	29.0	0 E	0E	---	23
24	---	---	---	0E	26.2	31.5	30.4	29.1	30.0	0 E	0E	---	24
25	---	---	---	0E	26.7	31.7	30.2	29.1	30.3	0 E	0E	---	25
26	---	---	---	0E	29.0	31.8	30.1	29.2	30.8	0 E	0E	---	26
27	---	---	---	0E	30.7	31.8	29.8	29.2	20.5	0 E	0E	---	27
28	---	---	---	0E	31.3	31.8	29.5	28.5	29.3	0 E	0E	---	28
29	---		---	0E	28.8	31.3	29.5	28.4	30.2	0 E	0E	---	29
30	---		---	0E	27.8	31.3	30.1	28.3	30.0	0 E	0E	---	30
31	---		---		27.4		30.2	28.2		0 E		---	31
TOTAL	---	---	---	0	460.27	889.8	909.1	901.1	864.2	300.863	0	---	TOTAL
MEAN	---	---	---	0	14.8	29.7	29.3	29.1	28.8	9.71	0	---	MEAN
MAX	---	---	---	0	31.3	31.8	31.4	30.0	30.8	28.5	0	---	MAX
MIN	---	---	---	0	0	27.2	25.4	28.2	20.5	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.7
MAXIMUM DAILY, 31.8 ON JUN 26
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 113 01 17 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	78 500
FEB	---	AUG	77 900
MAR	---	SEP	74 700
APR	0	OCT	26 000
MAY	39 800	NOV	0
JUN	76 900	DEC	---

TOTAL DISCHARGE, 374 000 dam³

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	15.7	42.2	45.2	12.5	10.0	---	---	1
2	---	---	---	---	0	17.2	39.5	42.0	10.7	9.52	---	---	2
3	---	---	---	---	0	18.4	33.2	34.9	10.6	9.54	---	---	3
4	---	---	---	---	0	19.4	29.8	33.1	10.9	9.49	---	---	4
5	---	---	---	---	0	19.7	28.1	31.0	10.9	9.47	---	---	5
6	---	---	---	---	0	19.8	25.3	28.1	10.9	9.49	---	---	6
7	---	---	---	---	0	18.8	23.5	26.3	10.9	9.67	---	---	7
8	---	---	---	---	0	16.3	21.4	26.3	11.2	9.89	---	---	8
9	---	---	---	---	0	14.7	21.2	26.2	11.3	9.94	---	---	9
10	---	---	---	---	0	12.9	21.2	25.2	11.3	9.86	---	---	10
11	---	---	---	---	0	14.5	20.9	22.4	11.2	9.95	---	---	11
12	---	---	---	---	0	15.5	24.7	19.9	11.5	9.97	---	---	12
13	---	---	---	---	0	15.4	31.7	17.6	11.6	10.0	---	---	13
14	---	---	---	---	0	16.8	32.8	15.9	11.4	10.1	---	---	14
15	---	---	---	---	0.085E	21.3	31.7	15.9	11.6	9.33	---	---	15
16	---	---	---	---	4.40	22.8	30.3	15.6	12.2	6.61	---	---	16
17	---	---	---	---	3.97	22.9	30.5	15.0	11.8	6.28	---	---	17
18	---	---	---	---	5.58	22.9	30.9	13.6	11.7	7.13	---	---	18
19	---	---	---	---	8.97	22.7	31.1	13.7	11.7	7.33	---	---	19
20	---	---	---	---	10.4	22.5	32.1	15.0	11.6	6.21	---	---	20
21	---	---	---	---	13.5	23.6	34.9	16.4	12.2	1.66	---	---	21
22	---	---	---	---	13.8	28.4	38.0	16.3	12.7	0.096	---	---	22
23	---	---	---	---	13.9	30.3	41.8	16.4	13.0	0	---	---	23
24	---	---	---	---	14.0	33.3	44.3	17.0	14.0	0	---	---	24
25	---	---	---	---	16.0	35.0	44.4	17.0	15.6	0	---	---	25
26	---	---	---	---	18.0	35.8	45.4	16.2	15.7	0	---	---	26
27	---	---	---	---	15.6	36.1	45.6	13.7	14.0	0	---	---	27
28	---	---	---	---	12.5	38.6	45.0	12.4	12.0	0	---	---	28
29	---		---	---	10.5	41.4	45.1	12.4	11.9	0	---	---	29
30	---		---	---	10.3	41.1	45.2	12.6	10.6	0	---	---	30
31	---		---		11.6		45.2	13.4		0		---	31
TOTAL	---	---	---	---	183.105	713.8	1 057.0	646.7	359.2	181.536	---	---	TOTAL
MEAN	---	---	---	---	5.91	23.8	34.1	20.9	12.0	5.86	---	---	MEAN
MAX	---	---	---	---	18.0	41.4	45.6	45.2	15.7	10.1	---	---	MAX
MIN	---	---	---	---	0	12.9	20.9	12.4	10.6	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 45.6 ON JUL 27
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 25 N
LONG 112 32 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	91 300
FEB	---	AUG	55 900
MAR	---	SEP	31 000
APR	---	OCT	15 700
MAY	15 800	NOV	---
JUN	61 700	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
REGULATED

TOTAL DISCHARGE, 271 000 dam³

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.041	1.06	0.806	0.062	0.009	---	---	1
2	---	---	---	---	0	0.053	0.345	0.654	0.056	0.007	---	---	2
3	---	---	---	---	0	0.107	0.023	0.559	0.064	0.004	---	---	3
4	---	---	---	---	0	0.195	0.019	0.591	0.067	0.002	---	---	4
5	---	---	---	---	0	0.209	0.022	0.505	0.067	0.002	---	---	5
6	---	---	---	---	0	0.201	0.021	0.282	0.067	0.023	---	---	6
7	---	---	---	---	0	0.225	0.021	0.296	0.026	0.043	---	---	7
8	---	---	---	---	0	0.273	0.108	0.301	0	0.041	---	---	8
9	---	---	---	---	0	0.322	0.199	0.302	0	0.040	---	---	9
10	---	---	---	---	0	0.344	0.250	0.293	0	0.040	---	---	10
11	---	---	---	---	0	0.419	0.345	0.189	0	0.039	---	---	11
12	---	---	---	---	0	0.429	0.517	0.128	0	0.039	---	---	12
13	---	---	---	---	0	0.428	0.680	0.080	0	0.039	---	---	13
14	---	---	---	---	0	0.561	0.763	0.038	0	0.039	---	---	14
15	---	---	---	---	0	0.871	0.847	0.071	0	0.035	---	---	15
16	---	---	---	---	0	0.926	0.926	0.107	0	0.024	---	---	16
17	---	---	---	---	0	0.902	0.949	0.119	0.033	0.028	---	---	17
18	---	---	---	---	0	0.810	0.961	0.178	0.055	0.023	---	---	18
19	---	---	---	---	0	0.840	0.961	0.169	0.055	0	---	---	19
20	---	---	---	---	0.003	0.878	1.19	0.113	0.055	0	---	---	20
21	---	---	---	---	0.166	1.02	1.35	0.113	0.057	0	---	---	21
22	---	---	---	---	0.171	1.03	1.39	0.113	0.059	0	---	---	22
23	---	---	---	---	0.164	1.02	1.39	0.113	0.061	0	---	---	23
24	---	---	---	---	0.198	1.08	1.35	0.117	0.085	0	---	---	24
25	---	---	---	---	0.320	1.17	1.24	0.080	0.088	0	---	---	25
26	---	---	---	---	0.276	1.24	1.13	0.060	0.081	0	---	---	26
27	---	---	---	---	0.051	1.26	1.05	0.053	0.067	0	---	---	27
28	---	---	---	---	0.020	1.24	1.03	0.050	0.035	0	---	---	28
29	---		---	---	0.019	0.995	1.05	0.048	0.016	0	---	---	29
30	---		---	---	0.018	1.14	0.953	0.018	0.011	0	---	---	30
31	---		---		0.017		0.890	0.041		0		---	31
TOTAL	---	---	---	---	1.423	20.229	23.030	6.587	1.167	0.477	---	---	TOTAL
MEAN	---	---	---	---	0.046	0.674	0.743	0.212	0.039	0.015	---	---	MEAN
MAX	---	---	---	---	0.320	1.26	1.39	0.806	0.088	0.043	---	---	MAX
MIN	---	---	---	---	0	0.041	0.019	0.018	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.288
MAXIMUM DAILY, 1.39 ON JUL 22
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 30 N
LONG 112 35 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 990
FEB	---	AUG	569
MAR	---	SEP	101
APR	---	OCT	41.2
MAY	123	NOV	---
JUN	1 750	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED

TOTAL DISCHARGE, 4 570 dam³

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	50.7	48.4	43.3	31.1	39.9	76.6	221	127	66.7	62.8	56.8	56.9	1
2	49.6	52.1	48.7	33.4	28.3	80.0	218	130	63.3	56.0	57.2	59.5	2
3	49.6	53.5	42.2	30.6	32.8	99.2	209	126	64.1	44.9	64.9	60.9	3
4	53.2	47.0	39.6	34.0	43.0	121	206	110	65.9	53.8	54.8	56.6	4
5	53.5	52.4	44.5	37.1	40.7	133	217	102	73.9	53.4	59.9	53.0	5
6	50.7	47.6	45.3	37.1	35.3	130	207	96.3	85.3	56.3	48.6	48.7	6
7	53.8	50.4	46.7	41.6	27.7	130	197	95.2	76.6	49.0	55.1	46.4	7
8	53.5	53.0	46.2	48.4	36.9	120	190	98.8	72.1	49.2	56.9	51.0	8
9	47.3	48.7	39.4	45.9	31.9	107	176	92.7	83.4	47.0	56.4	53.8	9
10	55.5	37.9	37.1	38.8	26.9	115	168	99.5	82.8	47.9	59.3	56.4	10
11	63.7	44.2	36.8	32.3	25.9	118	146	96.5	100	48.8	60.4	45.6	11
12	61.4	45.3	35.7	39.1	26.9	138	150	93.1	82.7	49.2	54.8	43.9	12
13	54.4	43.0	34.5	43.0	32.0	180	139	100	75.4	52.5	45.2	48.4	13
14	50.1	44.2	33.7	32.6	35.6	214	127	89.4	71.2	52.8	39.1	58.6	14
15	49.8	47.0	35.7	41.3	26.0	237	132	85.1	69.9	45.9	49.2	60.0	15
16	52.1	54.7	41.1	37.9	25.4	248	135	79.3	67.0	48.0	52.2	61.4	16
17	48.1	42.5	43.6	41.3	35.3	253	116	70.4	65.1	40.4	56.9	59.7	17
18	54.4	45.9	38.2	47.9	41.2	251	108	74.8	61.1	51.9	55.6	56.9	18
19	55.5	53.5	34.0	40.5	52.5	242	108	87.1	66.3	50.5	61.5	55.2	19
20	49.8	46.7	40.2	36.8	55.0	243	117	85.3	58.4	55.6	58.5	55.8	20
21	64.8	45.9	38.8	42.2	59.0	247	131	81.9	56.5	45.8	51.9	58.0	21
22	62.3	47.6	45.9	46.4	61.3	252	149	76.4	57.8	52.3	41.6	61.2	22
23	46.7	40.2	42.2	49.3	60.7	257	151	76.7	60.7	46.1	49.8	61.4	23
24	44.2	33.1	36.5	47.9	70.5	251	133	74.5	52.6	48.1	45.3	46.4	24
25	43.6	42.5	37.9	49.6	78.1	239	120	75.3	67.3	48.2	46.2	59.2	25
26	49.3	37.1	32.6	49.8	90.3	231	106	73.8	56.1	61.1	50.4	58.0	26
27	43.6	41.6	34.0	51.8	107	237	106	73.5	61.6	60.9	49.8	53.0	27
28	55.2	45.9	37.1	56.1	93.8	243	107	76.0	57.5	64.3	46.4	50.4	28
29	54.1		36.0	49.6	82.5	229	110	77.6	60.7	62.9	54.4	53.0	29
30	47.0		36.8	51.8	77.9	224	113	77.6	57.9	54.0	52.1	53.2	30
31	42.5		33.4		69.2		117	67.4		56.8		52.7	31
TOTAL	1 610.0	1 291.9	1 217.7	1 265.2	1 549.5	5 645.8	4 630	2 769.2	2 039.9	1 616.4	1 591.2	1 695.2	TOTAL
MEAN	51.9	46.1	39.3	42.2	50.0	188	149	89.3	68.0	52.1	53.0	54.7	MEAN
MAX	64.8	54.7	48.7	56.1	107	257	221	130	100	64.3	64.9	61.4	MAX
MIN	42.5	33.1	32.6	30.6	25.4	76.6	106	67.4	52.6	40.4	39.1	43.9	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 73.8
MAXIMUM DAILY, 257 ON JUN 23
MINIMUM DAILY, 25.4 ON MAY 16
MAXIMUM INSTANTANEOUS,
312 AT 11:00 MST ON JUN 17

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 10 N
LONG 115 02 00 W
DRAINAGE AREA, 5 180 km²

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	139 000	JUL	400 000
FEB	112 000	AUG	239 000
MAR	105 000	SEP	176 000
APR	109 000	OCT	140 000
MAY	134 000	NOV	137 000
JUN	488 000	DEC	146 000

TOTAL DISCHARGE, 2 330 000 dam³

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.0B	60.8B	54.2B	83.0B	104	79.4	281	86.7	27.5	42.3	76.0E	60.0B	1
2	28.0B	60.2B	53.7B	84.5B	88.2	76.0	301	53.1	25.1	26.9	81.1A	59.0B	2
3	29.0B	59.9B	53.0B	85.5B	118	65.6	276	48.7	34.1	18.5	71.0E	57.5B	3
4	31.0B	59.7B	52.2B	86.0B	103	67.8	249	38.2	39.2	16.0	61.0A	57.0B	4
5	34.7B	59.5B	51.5B	86.0B	93.8	55.9	251	44.0	30.5	31.4	73.6A	57.0B	5
6	35.7B	58.5B	51.0B	86.0B	78.6	75.9	294	53.9	24.1	32.8	74.2A	58.0B	6
7	37.6B	57.5B	50.5B	86.0B	92.2	124	252	52.8	23.9	25.6	74.0E	59.0B	7
8	39.5B	56.5B	50.0B	86.3B	95.6	152	232	54.8	23.0	25.8	73.5E	61.5B	8
9	41.3B	56.0B	50.0B	86.5B	95.0	149	202	50.6	28.4	29.2	72.0E	62.5B	9
10	43.8B	55.5B	50.3B	87.0B	95.4	175	199	37.6	35.8	30.4	70.0E	63.5B	10
11	45.4B	55.0B	51.2B	88.0B	85.1	145	191	31.8	35.8	24.3	35.0B	64.0B	11
12	47.6B	54.4B	52.4B	89.0B	63.3	127	148	30.7	27.5	20.5	27.0B	63.5B	12
13	49.3B	54.2B	53.7B	89.5B	62.5	126	165	30.5	26.4	19.8	26.5B	62.3B	13
14	50.1B	54.2B	55.0B	92.0B	51.1	201	148	41.6	31.9	20.9	27.5B	62.0B	14
15	51.5B	54.5B	57.2B	93.5B	39.0	152	133	42.1	37.3	19.9	30.0B	61.5B	15
16	52.0B	55.0B	59.2B	95.5B	33.5	229	122	55.0	53.1	31.1	31.0B	61.5B	16
17	52.5B	56.0B	60.5B	98.0B	29.2	226	114	39.3	44.0	67.1	31.5B	61.0B	17
18	53.0B	56.5B	61.6B	101 B	33.6	234	93.9	33.1	30.3	54.3	32.5B	60.0B	18
19	53.3B	57.0B	63.7B	105 B	32.7	263	113	27.6	22.4	49.8	33.0B	59.5B	19
20	53.7B	57.5B	64.2B	109 B	35.1	265	96.6	24.2	19.9	47.7	34.0B	59.0B	20
21	54.4B	57.5B	64.3B	112 B	37.4	253	54.2	24.4	18.9	45.8	36.0B	58.5B	21
22	56.2B	57.0B	64.5B	116 B	39.9	237	64.8	24.7	22.8	54.5	38.0B	58.0B	22
23	57.1B	56.6B	65.0B	121 B	43.9	224	47.7	28.5	20.7	61.2A	41.0B	58.0B	23
24	59.6B	56.3B	66.0B	124 B	40.1	184	34.7	26.6	19.6	64.0E	44.5B	58.5B	24
25	60.6B	56.0B	66.8B	127	34.4	238	62.9	23.2	19.6	66.0E	48.0B	59.0B	25
26	61.2B	55.8B	68.2B	127	26.2	229	88.2	21.7	16.4	60.8E	52.0B	59.0B	26
27	61.5B	55.6B	70.0B	108	28.2	236	79.0	23.3	20.9E	68.0E	56.0B	59.5B	27
28	62.0B	55.0B	72.0B	99.6	72.7	218	75.0	23.2	20.1E	74.0E	59.5B	60.0B	28
29	61.5B		75.9B	93.7	102	209	72.5	25.6	31.0E	60.0E	60.8B	60.5B	29
30	61.3B		78.0B	101	113	253	50.4	24.2	68.3A	71.0E	60.5B	61.5B	30
31	61.0B		81.0B		106		40.4	28.9		99.0E		62.0B	31
TOTAL	1 512.4	1 588.2	1 866.8	2 946.6	2 072.7	5 269.6	4 531.3	1 110.6	870.5	1 358.6	1 530.7	1 863.8	TOTAL
MEAN	48.8	56.7	60.2	98.2	66.9	176	146	35.8	29.3	43.8	51.0	60.1	MEAN
MAX	62.0	60.8	81.0	127	118	265	301	55.0	68.3	99.0	81.1	64.0	MAX
MIN	27.0	54.2	50.0	83.0	26.2	55.9	34.7	21.7	16.4	16.0	26.5	57.0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.7
MAXIMUM DAILY, 301 ON JUL 2
MINIMUM DAILY, 16.0 ON OCT 4
MAXIMUM INSTANTANEOUS,
322 AT 08:25 MST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 47 N
LONG 111 35 28 W
DRAINAGE AREA, 25 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	131 000	JUL	392 000
FEB	137 000	AUG	96 000
MAR	161 000	SEP	75 900
APR	255 000	OCT	117 000
MAY	179 000	NOV	132 000
JUN	455 000	DEC	161 000

TOTAL DISCHARGE, 2 290 000 dam³

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JP002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.096B	2.60 E	0.090	0.003	0.002	0.010	0.001	---	---	1
2	---	---	0.006B	0.090B	2.48 A	0.069	0.003	0.004	0.006	0.001	---	---	2
3	---	---	0.006B	0.110B	2.58	0.064	0.003	0.005	0.006	0.001	---	---	3
4	---	---	0.006B	0.120B	3.83	0.050	0.004	0.005	0.006	0.001	---	---	4
5	---	---	0.005B	0.150B	4.30	0.046	0.004	0.005	0.005	0.001	---	---	5
6	---	---	0.005B	0.170B	5.15	0.043	0.004	0.005	0.005	0.001	---	---	6
7	---	---	0.005B	0.210B	4.79	0.041	0.003	0.005	0.005	0.001	---	---	7
8	---	---	0.005B	0.240B	3.95	0.036	0.003	0.005	0.004	0.001	---	---	8
9	---	---	0.006B	0.270B	4.96	0.041	0.003	0.005	0.004	0.001	---	---	9
10	---	---	0.007B	0.310B	5.29	0.049	0.003	0.005	0.004	0.001	---	---	10
11	---	---	0.007B	0.375B	4.56	0.052	0.003	0.005	0.004	0.001	---	---	11
12	---	---	0.008B	0.400B	3.88	0.061	0.003	0.006	0.003	0.001	---	---	12
13	---	---	0.009B	0.410B	3.32	0.061	0.003	0.019	0.003	0.001	---	---	13
14	---	---	0.009B	0.420B	2.54	0.055	0.002	0.025	0.003	0.001	---	---	14
15	---	---	0.009B	0.440B	2.31	0.049	0.002	0.026	0.003	0.001	---	---	15
16	---	---	0.012B	0.445B	2.28	0.035	0.001	0.023	0.003	0.001	---	---	16
17	---	---	0.014B	0.465B	2.11	0.030	0.001	0.021	0.003	0.002	---	---	17
18	---	---	0.027B	0.485B	1.76	0.031	0.001	0.017	0.002	0.002	---	---	18
19	---	---	0.030B	0.500B	1.79	0.027	0.002	0.017	0.002	0.003	---	---	19
20	---	---	0.036B	0.600B	1.60	0.022	0.002	0.016	0.002	0.003	---	---	20
21	---	---	0.070B	0.784B	2.76	0.017	0.002	0.015	0.002	0.003	---	---	21
22	---	---	0.100B	1.00 B	4.08	0.015	0.002	0.013	0.002	0.004	---	---	22
23	---	---	0.132B	1.30 B	2.44	0.013	0.002	0.012	0.001	0.004	---	---	23
24	---	0.002B	0.160B	1.99 B	1.29	0.007	0.002	0.014	0.001	0.004	---	---	24
25	---	0.002B	0.168B	2.60 B	0.749	0.006	0.002	0.012	0.001	0.005	---	---	25
26	---	0.003B	0.180B	4.79 B	0.471	0.005	0.002	0.010	0.001	0.005	---	---	26
27	---	0.003B	0.172B	4.50 B	0.457	0.004	0.002	0.015	0.001	0.006A	---	---	27
28	---	0.004B	0.152B	3.90 B	0.359	0.004	0.001	0.024	0.001	0.006E	---	---	28
29	---		0.140B	3.36 B	0.211	0.004	0.001	0.020	0.001	0.006E	---	---	29
30	---		0.122B	3.00 B	0.136	0.003	0.001	0.017	0.001	0.006E	---	---	30
31	---		0.107B		0.111		0.002	0.014		0.006E		---	31
TOTAL	---	---	1.720	33.530	79.144	1.030	0.072	0.387	0.095	0.081	---	---	TOTAL
MEAN	---	---	0.055	1.12	2.55	0.034	0.002	0.012	0.003	0.003	---	---	MEAN
MAX	---	---	0.180	4.79	5.29	0.090	0.004	0.026	0.010	0.006	---	---	MAX
MIN	---	---	0.005	0.090	0.111	0.003	0.001	0.002	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.474
MAXIMUM DAILY, 5.29 ON MAY 10
MINIMUM DAILY, 0.001 ON JUL 16
MAXIMUM INSTANTANEOUS,
5.87 AT 22:00 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 26 42 N
LONG 116 16 10 W
DRAINAGE AREA, 6 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.22
FEB	---	AUG	33.4
MAR	149	SEP	8.21
APR	2 900	OCT	7.00
MAY	6 840	NOV	---
JUN	89.0	DEC	---

TOTAL DISCHARGE, 10 000 dam³

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JP004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.00	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.832	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.632	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.505	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.449	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.403	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.372	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.328	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.291	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.245	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.168	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.158	0	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.153	0.001	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.116	0.001	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.131	0.001	0	0	0	0	---	---	15
16	---	---	0B	0.001B	0.107	0	0	0	0	0	---	---	16
17	---	---	0B	0.001B	0.078	0	0	0	0	0	---	---	17
18	---	---	0B	0.002B	0.064	0	0	0	0	0	---	---	18
19	---	---	0B	0.003B	0.051	0	0	0	0	0	---	---	19
20	---	---	0B	0.004B	0.021	0	0	0	0	0	---	---	20
21	---	---	0B	0.009B	0.008	0	0	0	0	0	---	---	21
22	---	0B	0B	0.020B	0.006	0	0	0	0	0	---	---	22
23	---	0B	0B	0.081B	0.004	0	0	0	0	0	---	---	23
24	---	0B	0B	0.086B	0.003	0	0	0	0	0	---	---	24
25	---	0B	0B	0.095B	0.003	0	0	0	0	0	---	---	25
26	---	0B	0B	0.932B	0.002	0	0	0	0	0	---	---	26
27	---	0B	0B	1.49 B	0	0	0	0	0	0	---	---	27
28	---	0B	0B	1.55	0	0	0	0	0	0	---	---	28
29	---		0B	1.32	0	0	0	0	0	0	---	---	29
30	---		0B	1.11	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	6.704	6.130	0.003	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.223	0.198	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.55	1.00	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 1.55 ON APR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.76 AT 00:00 MST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 54 30 N
LONG 117 36 45 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	579	OCT	0
MAY	530	NOV	---
JUN	0.26	DEC	---

TOTAL DISCHARGE, 1 110 dam³

BRAZEAU RESERVOIR - STATION NO. 05DD006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	962.65	958.11	955.24	954.36	954.15	957.13	961.58	962.74	964.94	965.85	965.91	964.94	1
2	962.59	957.96	955.18	954.33	954.24	957.32	961.67	962.77	964.91	965.88	965.91	964.91	2
3	962.50	957.77	955.15	954.27	954.30	957.50	961.77	962.80	964.94	965.97	965.88	964.91	3
4	962.41	957.53	955.12	954.27	954.36	957.71	962.22	962.92	965.03	966.03	965.91	964.87	4
5	962.28	957.38	955.09	954.12	954.48	958.05	963.14	963.02	965.09	966.00	965.91	964.87	5
6	962.22	957.44	955.09	953.99	954.48	958.38	963.53	963.08	965.15	966.00	965.91	964.81	6
7	962.07	957.07	955.00	953.90	954.63	958.50	963.56	963.17	965.15	965.97	965.88	964.75	7
8	961.95	956.80	954.97	953.63	954.79	958.54	963.20	963.35	965.18	966.03	965.88	964.72	8
9	961.89	956.55	954.91	953.63	954.85	958.44	962.74	963.38	965.18	966.00	965.85	964.66	9
10	961.70	956.34	954.85	953.57	954.82	958.50	962.31	963.44	965.24	965.97	965.79	964.60	10
11	961.64	956.13	954.82	953.60	954.91	958.54	962.13	963.44	965.27	965.97	965.79	964.51	11
12	961.52	955.97	954.79	953.48	954.97	958.72	961.98	963.50	965.27	965.97	965.73	964.36	12
13	961.34	955.91	954.82	953.41	955.06	958.78	962.01	963.53	965.33	965.97	965.70	964.33	13
14	961.22	955.85	954.85	953.48	955.15	958.87	962.07	963.59	965.36	965.97	965.67	964.27	14
15	961.10	955.82	954.82	953.48	955.24	959.02	962.13	963.66	965.36	965.97	965.67	964.20	15
16	960.91	955.79	954.79	953.38	955.46	959.30	962.28	963.66	965.39	966.00	965.61	964.11	16
17	960.76	955.73	954.76	953.23	955.55	959.42	962.50	963.69	965.42	966.03	965.58	964.05	17
18	960.61	955.73	954.73	953.23	955.70	959.48	962.65	963.75	965.48	966.03	965.51	963.96	18
19	960.52	955.67	954.69	953.14	955.85	959.60	962.74	963.84	965.58	966.00	965.48	963.93	19
20	960.27	955.61	954.66	953.20	955.94	959.75	962.95	963.84	965.55	966.03	965.42	963.87	20
21	960.06	955.58	954.63	953.08	955.97	959.82	963.08	963.93	965.55	965.94	965.36	963.78	21
22	959.82	955.55	954.60	953.08	956.10	960.03	963.05	963.99	965.58	965.85	965.30	963.69	22
23	959.69	955.52	954.60	953.14	956.34	960.30	962.99	964.08	965.55	965.85	965.24	963.63	23
24	959.54	955.37	954.57	953.29	956.49	960.46	962.95	964.14	965.51	965.88	965.18	963.53	24
25	959.39	955.27	954.48	953.44	956.61	960.64	962.95	964.23	965.55	965.88	965.12	963.44	25
26	959.14	955.24	954.51	953.54	956.77	960.82	962.92	964.30	965.61	965.88	965.09	963.35	26
27	958.96	955.27	954.42	953.60	956.80	960.91	962.86	964.42	965.70	965.91	965.03	963.26	27
28	958.72	955.30	954.33	953.69	956.83	961.19	962.77	964.51	965.76	965.85	965.03	963.23	28
29	958.54		954.30	953.81	956.83	961.43	962.71	964.66	965.79	965.82	965.00	963.11	29
30	958.41		954.33	953.99	956.92	961.55	962.68	964.75	965.85	965.85	965.00	963.02	30
31	958.23		954.30		957.04		962.74	964.87		965.91		962.95	31
MEAN	960.73	956.22	954.75	953.61	955.54	959.29	962.61	963.71	965.38	965.94	965.54	964.08	MEAN
MAX	962.65	958.11	955.24	954.36	957.04	961.55	963.56	964.87	965.85	966.03	965.91	964.94	MAX
MIN	958.23	955.24	954.30	953.08	954.15	957.13	961.58	962.74	964.91	965.82	965.00	962.95	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 960.65
MAXIMUM DAILY, 966.03 ON OCT 4
MINIMUM DAILY, 953.08 ON APR 21

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 58 14 N
LONG 115 34 49 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.6	55.9	21.7	13.1	19.9	52.9	144	86.4	36.8	49.6	35.7	33.4	1
2	39.6	61.7	24.8	11.3	28.8	41.9	143	68.2	75.9	51.8	27.4	29.7	2
3	40.7	68.7	13.3	15.6	55.4	51.2	147	81.8	47.9	49.6	34.0	27.9	3
4	50.5	80.8	13.3	12.4	38.9	44.1	122	45.6	46.7	52.4	29.2	30.3	4
5	36.0	61.4	13.1	43.5	34.5	45.1	222	43.6	63.1	98.5	32.3	27.8	5
6	57.5	69.2	16.6	26.0	36.0	49.4	374	40.8	57.8	68.2	28.2	32.0	6
7	55.3	66.7	24.1	33.6	10.1	74.1	419	25.2	64.3	68.2	26.2	38.8	7
8	62.0	40.5	17.5	70.2	23.3	113	527	9.06	63.7	39.1	32.6	37.1	8
9	52.6	58.3	28.4	4.20	16.1	110	447	49.0	62.0	65.1	30.3	34.8	9
10	45.8	55.2	16.1	23.2	31.7	101	430	42.2	44.7	70.8	31.7	39.6	10
11	48.2	51.9	21.5	4.35	30.5	121	259	58.3	56.9	45.6	27.6	49.8	11
12	70.2	33.2	9.84	31.0	25.1	119	217	50.4	54.9	52.4	43.3	77.6	12
13	61.1	29.7	0.752	23.3	37.5	140	155	56.7	37.9	53.2	35.7	45.9	13
14	75.3	26.4	3.46	5.66	33.4	123	155	53.2	33.7	51.0	25.3	39.4	14
15	68.0	17.9	17.0	5.44	39.8	107	209	50.7	32.3	54.4	37.9	43.3	15
16	64.3	17.9	18.9	22.4	19.5	114	161	66.5	49.8	35.4	39.9	46.2	16
17	67.3	18.1	8.51	42.3	34.1	117	136	44.5	22.2	52.4	41.6	40.2	17
18	70.1	20.6	17.1	7.07	39.3	116	154	28.6	13.2	49.0	38.5	44.5	18
19	60.5	18.7	12.2	13.5	31.5	106	127	28.3	8.78	56.1	39.1	39.4	19
20	62.3	18.1	20.0	8.10	53.4	117	125	27.8	45.6	49.0	43.6	44.5	20
21	111	20.5	13.4	43.3	56.1	99.7	185	23.2	39.6	90.6	38.8	48.4	21
22	76.8	16.0	12.9	19.3	36.0	98.6	176	16.9	39.9	75.3	41.6	46.7	22
23	63.6	16.8	14.8	5.63	18.0	97.5	177	25.5	49.8	50.7	38.2	43.6	23
24	65.3	54.7	19.1	3.85	5.98	99.8	147	27.7	47.0	36.5	34.5	54.4	24
25	62.6	31.6	27.8	4.99	40.0	103	147	28.3	26.1	36.0	41.6	41.6	25
26	88.7	11.0	11.2	13.0	39.4	115	139	28.9	28.1	38.2	37.1	47.3	26
27	83.1	6.29	26.9	24.7	62.5	104	146	44.5	33.1	37.1	32.3	42.2	27
28	83.0	2.51	23.7	31.5	52.6	96.6	131	29.7	35.4	73.3	29.7	39.1	28
29	86.1		15.2	20.4	46.1	126	115	21.6	41.6	44.7	31.1	46.7	29
30	50.8		8.34	26.3	44.3	144	109	30.3	56.1	8.67	32.0	49.3	30
31	54.5		5.87		48.5		95.1	23.0		5.27		43.3	31
TOTAL	1 931.4	1 030.30	497.372	609.19	1 088.28	2 946.9	6 200.1	1 254.46	1 316.88	1 608.14	1 037.0	1 304.8	TOTAL
MEAN	62.3	36.8	16.0	20.3	35.1	98.2	200	40.5	43.8	51.9	34.6	42.1	MEAN
MAX	111	80.8	28.4	70.2	62.5	144	527	86.4	75.9	98.5	43.6	77.6	MAX
MIN	36.0	2.51	0.752	3.85	5.98	41.9	95.1	9.06	8.78	5.27	25.3	27.8	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 57.0
MAXIMUM DAILY, 527 ON JUL 8
MINIMUM DAILY, 0.752 ON MAR 13
MAXIMUM INSTANTANEOUS,
657 AT 13:40 MST ON JUL 10

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 45 N
LONG 115 21 50 W
DRAINAGE AREA, 5 650 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	167 000	JUL	536 000
FEB	89 000	AUG	108 000
MAR	43 000	SEP	114 000
APR	52 600	OCT	139 000
MAY	94 000	NOV	89 600
JUN	255 000	DEC	113 000

TOTAL DISCHARGE, 1 800 000 dam³

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	13.3B	66.6	112	80.3	47.2	31.8	---	---	1
2	---	---	---	---	16.3B	77.2	108	77.4	45.4	33.4	---	---	2
3	---	---	---	---	18.2B	84.6	119	74.3	46.0	38.4	---	---	3
4	---	---	---	---	15.3B	89.4	193	69.3	51.9	34.7	---	---	4
5	---	---	---	---	15.9B	97.2	262	63.9	57.4	31.7	---	---	5
6	---	---	---	---	16.0B	79.2	234	59.0	52.3	31.0	---	---	6
7	---	---	---	---	17.5B	64.4	194	57.2	48.6	30.6	---	---	7
8	---	---	---	---	18.9B	61.5	157	56.0	47.0	29.3	---	---	8
9	---	---	---	---	20.9B	64.0	128	56.4	47.3	28.9	---	---	9
10	---	---	---	---	23.6B	79.4	112	58.8	48.4	29.0	---	---	10
11	---	---	---	---	24.6B	97.2	104	60.5	45.0	29.2	---	---	11
12	---	---	---	---	24.3B	109	98.8	58.5	42.3	29.0	---	---	12
13	---	---	---	---	20.6	119	93.2	52.7	39.7	29.0	---	---	13
14	---	---	---	---	21.6	136	100	52.2	36.8	29.4	---	---	14
15	---	---	---	---	26.0	149	122	51.3	35.5	30.4	---	---	15
16	---	---	---	---	26.9	140	116	46.7	34.8	30.9	---	---	16
17	---	---	---	---	34.0	123	117	44.0	32.7	31.1	---	---	17
18	---	---	---	---	41.5	119	117	41.9	31.5	31.1	---	---	18
19	---	---	---	---	32.5	126	118	40.1	31.0	30.9	---	---	19
20	---	---	---	---	30.1	128	118	39.0	30.4	30.6	---	---	20
21	---	---	---	---	32.2	138	111	39.4	30.0A	30.1	---	---	21
22	---	---	---	---	43.3	145	107	43.8	30.3	29.7	---	---	22
23	---	---	---	---	37.9	162	94.6	43.0	30.2	28.8	---	---	23
24	---	---	---	---	36.2	140	85.9	41.9	29.7	27.5	---	---	24
25	---	---	---	---	66.5	137	84.3	41.3	29.2	26.3	---	---	25
26	---	---	---	---	45.7	121	85.0	60.0	33.9	25.0	---	---	26
27	---	---	---	11.0B	35.8	125	79.8	60.3	35.3	23.9	---	---	27
28	---	---	---	14.7B	31.8	143	78.1	62.6	34.2	22.8A	---	---	28
29	---		---	16.7B	31.2	123	77.9	61.2	34.9	22.4E	---	---	29
30	---		---	13.6B	35.7	118	79.0	55.4	31.6	22.0E	---	---	30
31	---		---		48.9		79.7	51.1		21.6E		---	31
TOTAL	---	---	---	---	903.2	3 361.7	3 685.3	1 699.5	1 170.5	900.5	---	---	TOTAL
MEAN	---	---	---	---	29.1	112	119	54.8	39.0	29.0	---	---	MEAN
MAX	---	---	---	---	66.5	162	262	80.3	57.4	38.4	---	---	MAX
MIN	---	---	---	---	13.3	61.5	77.9	39.0	29.2	21.6	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 63.7
MAXIMUM DAILY, 262 ON JUL 5
MINIMUM DAILY, 13.3B ON MAY 1
MAXIMUM INSTANTANEOUS,
269 AT 18:40 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 50 N
LONG 116 34 40 W
DRAINAGE AREA, 2 590 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	318 000
FEB	---	AUG	147 000
MAR	---	SEP	101 000
APR	---	OCT	77 800
MAY	78 000	NOV	---
JUN	290 000	DEC	---

TOTAL DISCHARGE, 1 010 000 dam³

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.658	2.50	7.08	2.16	0.931	0.752	---	---	1
2	---	---	---	---	0.885	3.13	5.85	2.10	0.886	0.752	---	---	2
3	---	---	---	---	0.910	3.98	5.66	2.07	0.858	0.773	---	---	3
4	---	---	---	---	0.894	4.51	5.56	1.97	1.06	0.729	---	---	4
5	---	---	---	---	0.899	4.50	4.76	1.81	1.34	0.688	---	---	5
6	---	---	---	---	0.897	4.21	4.25	1.68	1.27	0.662	---	---	6
7	---	---	---	---	0.893	3.30	4.01	1.63	1.12	0.650	---	---	7
8	---	---	---	---	0.874	2.84	3.74	1.57	1.07	0.625	---	---	8
9	---	---	---	---	0.828	2.76	3.63	1.58	1.06	0.586	---	---	9
10	---	---	---	---	0.766	3.83	3.55	1.62	1.19	0.564	---	---	10
11	---	---	---	---	0.728	5.91	3.45	1.66	1.13	0.552	---	---	11
12	---	---	---	---	0.492	7.49	3.36	1.95	1.05	0.537	---	---	12
13	---	---	---	---	0.441	9.30	3.01	2.07	1.00	0.519	---	---	13
14	---	---	---	---	0.441	11.5	3.39	2.12	0.929	0.502	---	---	14
15	---	---	---	---	0.438	13.1	3.28	1.94	0.905	0.492	---	---	15
16	---	---	---	---	0.554	12.2	2.68	1.74	0.871	0.485	---	---	16
17	---	---	---	---	0.993	9.83	2.37	1.60	0.852	0.510	---	---	17
18	---	---	---	---	1.20	8.86	2.32	1.53	0.838	0.508	---	---	18
19	---	---	---	---	1.19	9.67	2.51	1.46	0.851	0.499	---	---	19
20	---	---	---	---	1.32	10.2	3.09	1.41	0.833	0.493	---	---	20
21	---	---	---	---	1.71	10.5	3.10	1.34	0.816	0.495	---	---	21
22	---	---	---	---	2.10	10.6	3.03	1.29	0.814	0.493	---	---	22
23	---	---	---	---	2.30	9.16	2.71	1.23	0.786	0.487	---	---	23
24	---	---	---	---	2.32	7.95	2.43	1.15	0.754	0.473	---	---	24
25	---	---	---	---	3.55	7.81	2.44	1.09	0.739	0.452	---	---	25
26	---	---	---	---	3.43	7.34	2.62	1.15	0.857	0.418A	---	---	26
27	---	---	---	---	2.70	9.26	2.47	1.18	0.850	0.410E	---	---	27
28	---	---	---	---	2.00	8.36	2.38	1.13	0.842	0.402E	---	---	28
29	---		---	0.376	1.66	7.01	2.36	1.07	0.831	0.394E	---	---	29
30	---		---	0.431	1.50	7.38	2.30	1.02	0.785	0.386E	---	---	30
31	---		---		1.75		2.30	0.988		0.378E		---	31
TOTAL	---	---	---	---	41.317	218.99	105.67	48.308	28.118	16.666	---	---	TOTAL
MEAN	---	---	---	---	1.33	7.30	3.41	1.56	0.937	0.538	---	---	MEAN
MAX	---	---	---	---	3.55	13.1	7.08	2.16	1.34	0.773	---	---	MAX
MIN	---	---	---	---	0.438	2.50	2.30	0.988	0.739	0.378	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.49
MAXIMUM DAILY, 13.1 ON JUN 15
MINIMUM DAILY, 0.378E ON OCT 31
MAXIMUM INSTANTANEOUS,
14.6 AT 02:55 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 55 N
LONG 115 39 55 W
DRAINAGE AREA, 108 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 130
FEB	---	AUG	4 170
MAR	---	SEP	2 430
APR	---	OCT	1 440
MAY	3 570	NOV	---
JUN	18 900	DEC	---

TOTAL DISCHARGE, 39 600 dam³

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.009B	0.009B	0.003	0	0.002	0.006	0.001	0.003B	---	1
2	---	---	---	0.008B	0.053B	0.003	0	0.080	0.005	0.001	0.003B	---	2
3	---	---	---	0.008B	0.666B	0.002	0	0.414	0.004	0.001	0.002B	---	3
4	---	---	---	0.007B	0.581B	0.002	0	1.08	0.002	0.001	---	---	4
5	---	---	---	0.007B	0.392	0.002	0	0.968	0.002	0.001	---	---	5
6	---	---	---	0.006B	0.409	0.001	0	0.630	0.002	0.001	---	0.002B	6
7	---	---	---	0.006B	0.457	0	0	0.396	0.002	0.001	---	---	7
8	---	---	---	0.006B	0.367	0	0	0.263	0.002	0.001	0.002B	---	8
9	---	---	---	0.003B	0.259	0	0	0.209	0.004	0.001	---	---	9
10	---	---	---	0 B	0.233	0	0	0.166	0.005	0.001	---	---	10
11	---	---	---	0 B	0.229	0	0	0.113	0.005	0.001	---	---	11
12	---	---	---	0 B	0.306	0	0	0.076	0.005	0.001	---	---	12
13	---	---	---	0 B	0.265	0	0	0.052	0.004	0.001	---	0.001B	13
14	---	---	---	0 B	0.212	0	0	0.034	0.003	0.001	---	---	14
15	---	---	---	0 B	0.117	0	0.009	0.038	0.002	0.001	0.008B	---	15
16	---	---	---	0 B	0.090	0	0.021	0.052	0.002	0.001	---	---	16
17	---	---	---	0 B	0.106	0	0.185	0.052	0.002	0.001	---	---	17
18	---	---	---	0 B	0.100	0	0.193	0.027	0.002	0.001	---	---	18
19	---	---	---	0 B	0.101	0	0.160	0.020	0.002	0.001	---	---	19
20	---	---	0.011B	0.001B	0.097	0	0.101	0.015	0.001	0.001	---	0.002B	20
21	---	---	0.010B	0.002B	0.060	0	0.049	0.025	0	0.001	---	---	21
22	---	---	0.010B	0.003B	0.050	0	0.060	0.026	0	0.001	0.004B	---	22
23	---	---	0.010B	0.003B	0.030	0	0.044	0.017	0	0.002	---	---	23
24	---	---	0.010B	0.002B	0.024	0	0.046	0.012	0	0.002	---	---	24
25	---	---	0.009B	0.003B	0.019	0	0.040	0.017	0.001	0.001	---	---	25
26	---	---	0.010B	0.004B	0.024	0	0.028	0.014	0.001	0.001	---	---	26
27	---	---	0.011B	0.007B	0.018	0	0.016	0.012	0.001	0.001	---	0.005B	27
28	---	---	0.011B	0.006B	0.006	0	0.012	0.010	0.001	0.001	---	---	28
29	---		0.010B	0.006B	0.003	0	0.004	0.007	0.001	0.001	---	---	29
30	---		0.010B	0.007B	0.005	0	0.002	0.009	0.001	0.001	0.003B	---	30
31	---		0.010B		0.003		0.001	0.005		0.002		---	31
TOTAL	---	---	---	0.104	5.291	0.013	0.971	4.841	0.068	0.034	---	---	TOTAL
MEAN	---	---	---	0.003	0.171	0	0.031	0.156	0.002	0.001	---	---	MEAN
MAX	---	---	---	0.009	0.666	0.003	0.193	1.08	0.006	0.002	---	---	MAX
MIN	---	---	---	0	0.003	0	0	0.002	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.08 ON AUG 4
MINIMUM DAILY, 0B ON APR 10
MAXIMUM INSTANTANEOUS,
1.19 AT 12:46 MST ON AUG 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 10 N
LONG 117 44 02 W
DRAINAGE AREA, 19.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.9
FEB	---	AUG	418
MAR	---	SEP	5.88
APR	8.99	OCT	2.94
MAY	457	NOV	---
JUN	1.12	DEC	---

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.27B	3.24	7.67	2.27	1.26	2.76	---	---	1
2	---	---	---	---	1.28B	2.55	7.72	2.12	1.09	3.52	---	---	2
3	---	---	---	---	1.29B	2.20	9.91	2.07	0.990	5.15	---	---	3
4	---	---	---	---	1.31B	1.97	28.2	1.81	2.52	4.67	---	---	4
5	---	---	---	---	1.33B	4.00	48.1	1.50	3.53	4.09	---	---	5
6	---	---	---	---	1.35B	5.15	37.1	1.34	2.54	3.84	---	---	6
7	---	---	---	---	1.38B	4.25	25.1	1.15	2.00	3.70	---	---	7
8	---	---	---	---	1.44B	5.00	19.7	1.05	1.68	3.19	---	---	8
9	---	---	---	---	1.50B	6.09	15.2	0.957	1.49	2.89	---	---	9
10	---	---	---	---	1.58B	5.44	12.1	0.871	1.36	3.03	---	---	10
11	---	---	---	---	1.70B	4.84	9.54	0.853	1.23	3.72	---	---	11
12	---	---	---	---	2.17B	4.11	8.06	0.952	1.30	3.62	---	---	12
13	---	---	---	---	3.00B	3.54	7.38	0.800	1.33	3.89	---	---	13
14	---	---	---	---	4.52B	3.20	8.33	1.33	1.19	3.43	---	---	14
15	---	---	---	---	4.47B	3.11	15.2	1.60	1.15	3.16	---	---	15
16	---	---	---	---	4.87B	2.82	14.0	1.23	1.23	2.89	---	---	16
17	---	---	---	---	4.75B	2.50	10.8	0.991	1.07	2.70	---	---	17
18	---	---	---	---	4.59B	2.26	9.50	0.794	0.923	2.33	---	---	18
19	---	---	---	---	4.70B	2.12	9.37	0.696	0.825	2.10	---	---	19
20	---	---	---	---	3.60	2.16	9.16	0.640	0.765	2.07	---	---	20
21	---	---	---	---	2.97	2.13	8.22	0.689	0.716	2.03	---	---	21
22	---	---	---	---	2.51	2.38	8.71	1.16	0.725	1.82	---	---	22
23	---	---	---	---	2.26	2.97	6.90	1.08	0.728	1.95	---	---	23
24	---	---	---	---	2.18	3.20	6.08	0.915	0.850	1.78	---	---	24
25	---	---	---	---	2.06	3.50	5.82	0.927	0.816	1.65	---	---	25
26	---	---	---	---	2.05	3.96	4.81	2.20	3.25	1.58A	---	---	26
27	---	---	---	---	2.99	4.79	4.13	1.99	4.12	1.51E	---	---	27
28	---	---	---	---	3.65	9.26	3.96	1.92	3.02	1.47E	---	---	28
29	---		---	---	3.65	8.24	3.35	1.76	3.45	1.40E	---	---	29
30	---		---	---	4.13	7.84	2.95	1.51	2.87	1.33E	---	---	30
31	---		---		3.92		2.49	1.47		1.26E		---	31
TOTAL	---	---	---	---	84.47	118.82	369.56	40.645	49.618	84.13	---	---	TOTAL
MEAN	---	---	---	---	2.72	3.96	11.9	1.31	1.65	2.71	---	---	MEAN
MAX	---	---	---	---	4.87	9.26	48.1	2.27	4.12	5.15	---	---	MAX
MIN	---	---	---	---	1.27	1.97	2.49	0.640	0.816	1.26	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.06
MAXIMUM DAILY, 48.1 ON JUL 5
MINIMUM DAILY, 0.616 ON SEP 25
MAXIMUM INSTANTANEOUS,
61.4 AT 12:57 MST ON JUL 5

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 40 N
LONG 116 21 20 W
DRAINAGE AREA, 216 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	31 900
FEB	---	AUG	3 510
MAR	---	SEP	4 290
APR	---	OCT	7 270
MAY	7 300	NOV	---
JUN	10 300	DEC	---

TOTAL DISCHARGE, 64 600 dam³

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05PE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.315	0.082	0.025	0.025	0.029	0.027	0.021	---	1
2	---	---	0B	0 B	0.230	0.103	0.054	0.253	0.027	0.027	0.020A	---	2
3	---	---	0B	0 B	0.169	0.104	0.102	0.329	0.023	0.029	---	---	3
4	---	---	0B	0 B	0.173	0.102	0.129	0.210	0.022	0.045	---	---	4
5	---	---	0B	0 B	0.194	0.104	0.139	0.112	0.043	0.053	---	---	5
6	---	---	0B	0 B	0.170	0.146	0.144	0.070	0.037	0.044	---	---	6
7	---	---	0B	0 B	0.150	0.178	0.095	0.021	0.039	0.035	---	---	7
8	---	---	0B	0 B	0.139	0.180	0.054	0.002	0.032	0.031	---	---	8
9	---	---	0B	0 B	0.129	0.159	0.047	0.001	0.029	0.029	---	---	9
10	---	---	0B	0.020B	0.128	0.265	0.080	0.020E	0.025	0.028	---	---	10
11	---	---	0B	0.040B	0.133	0.162	0.030	0.022E	0.019	0.027	---	---	11
12	---	---	0B	0.070B	0.137	0.100	0.047	0.024E	0.013	0.024	---	---	12
13	---	---	0B	0.098B	0.138	0.089	0.039	0.024E	0.010	0.023	---	---	13
14	---	---	0B	0.125B	0.142	0.084	0.037	0.022E	0.009	0.020	---	---	14
15	---	---	0B	0.170B	0.134	0.073	0.051	0.021E	0.006	0.021	---	---	15
16	---	---	0B	0.265B	0.134	0.074	0.067	0.022E	0.005	0.023	---	---	16
17	---	---	0B	0.333B	0.157	0.067	0.161	0.023E	0.005	0.025	---	---	17
18	---	---	0B	0.432B	0.123	0.050	0.127	0.026E	0.007	0.024	---	---	18
19	---	---	0B	0.580B	0.170	0.055	0.068	0.028E	0.006	0.022	---	---	19
20	---	---	0B	0.740B	0.238	0.046	0.040	0.030E	0.004	0.022A	---	---	20
21	---	---	0B	0.852B	0.220	0.040	0.028	0.030E	0.003	0.022E	---	---	21
22	---	---	0B	0.963B	0.203	0.044	0.213	0.028E	0.006	0.023E	---	---	22
23	---	---	0B	0.925B	0.172	0.057	0.276	0.031E	0.005	0.022E	---	---	23
24	---	---	0B	0.872	0.160	0.064	0.091	0.040E	0.004	0.023A	---	---	24
25	---	---	0B	0.719	0.146	0.059	0.038	0.058E	0.003	0.023	---	---	25
26	---	---	0B	0.729	0.143	0.045	0.016	0.062E	0.004	0.023	---	---	26
27	---	---	0B	0.680	0.134	0.041	0.022	0.057E	0.003	0.024	---	---	27
28	---	---	0B	0.545	0.122	0.034	0.039	0.050E	0.012	0.023	---	---	28
29	---		0B	0.493	0.110	0.029	0.005	0.040E	0.022	0.022	---	---	29
30	---		0B	0.397	0.107	0.058	0.008	0.035E	0.025	0.021	---	---	30
31	---		0B		0.093		0.005	0.032E		0.021		---	31
TOTAL	---	---	0	10.048	4.913	2.694	2.277	1.748	0.477	0.826	---	---	TOTAL
MEAN	---	---	0	0.335	0.158	0.090	0.073	0.056	0.016	0.027	---	---	MEAN
MAX	---	---	0	0.963	0.315	0.265	0.276	0.329	0.043	0.053	---	---	MAX
MIN	---	---	0	0	0.093	0.029	0.005	0.001	0.003	0.020	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.094
MAXIMUM DAILY, 0.963B ON APR 22
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 26 N
LONG 110 51 57 W
DRAINAGE AREA, 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	197
FEB	---	AUG	151
MAR	0	SEP	41.2
APR	868	OCT	71.4
MAY	424	NOV	---
JUN	233	DEC	---

TOTAL DISCHARGE, 1 990 dam³

BUFFALO LAKE NEAR ERSKINE - STATION NO. 05CD005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	780.453	780.440	---	---	---	1
2	---	---	---	---	780.321	780.413	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	780.423	---	---	3
4	---	---	780.256	---	---	---	780.474	780.453	---	---	---	---	4
5	---	---	---	---	780.321	---	---	---	780.445	---	---	---	5
6	---	---	---	---	---	780.448	---	780.438	---	780.415	---	---	6
7	---	---	---	---	---	---	780.491	---	---	---	---	---	7
8	---	---	---	---	---	---	---	780.434	---	---	---	---	8
9	---	---	---	---	---	780.442	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	780.408	---	---	10
11	---	---	---	---	---	---	780.493	780.423	780.431	---	---	---	11
12	---	---	---	---	---	---	---	---	780.433	---	---	---	12
13	---	---	---	---	---	780.432	---	---	780.422	780.407	---	---	13
14	---	---	---	---	---	---	780.489	---	---	---	---	---	14
15	---	---	---	---	---	---	---	780.436	780.407	---	---	---	15
16	---	---	---	---	780.364	780.430	---	---	---	---	---	---	16
17	---	---	---	780.284	---	---	---	---	---	780.396	---	---	17
18	---	---	---	---	---	---	780.475	780.436	---	---	---	---	18
19	---	---	---	---	---	---	---	---	780.402	---	---	---	19
20	---	---	---	---	---	780.399	---	---	---	780.396	---	---	20
21	---	---	---	---	---	---	780.490	---	---	---	---	---	21
22	---	---	---	---	---	---	780.496	780.433	780.398	---	---	---	22
23	---	---	---	---	---	780.392	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	780.397	---	---	24
25	---	---	---	---	780.427	---	---	780.433	---	780.394	---	---	25
26	---	---	---	---	---	---	780.489	---	780.392	---	---	---	26
27	---	---	---	---	---	780.391	---	---	---	---	---	---	27
28	---	---	---	---	---	---	780.465	780.434	---	---	---	---	28
29	---		---	---	780.436	---	---	---	780.406	---	---	---	29
30	---		---	---	780.414	780.389	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 27 53 N
LONG 112 52 57 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0B	0	0	0	0	0	0	---	---	13
14	---	---	0B	0B	0	0	0	0	0	0	---	---	14
15	---	---	0B	0B	0	0	0	0	0	0	---	---	15
16	---	---	0B	0B	0	0	0	0	0	0	---	---	16
17	---	---	0B	0B	0	0	0	0	0	0	---	---	17
18	---	---	0B	0B	0	0	0	0	0	0	---	---	18
19	---	---	0B	0B	0	0	0	0	0	0	---	---	19
20	---	---	0B	0B	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0		---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 56 N
LONG 111 55 44 W
DRAINAGE AREA, 1 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - ZERO FLOWS FOR WHOLE YEAR

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.300B	0.034	0.001	0	0.001	0	0	---	---	1
2	---	---	0 B	0.260B	0.028	0	0	0.004	0	0	---	---	2
3	---	---	0 B	0.220B	0.023	0	0	0.033	0	0	---	---	3
4	---	---	0 B	0.180B	0.022	0	0	0.004	0	0	---	---	4
5	---	---	0 B	0.140B	0.028	0	0	0.002	0	0	---	---	5
6	---	---	0 B	0.110B	0.016	0	0	0.001	0	0	---	---	6
7	---	---	0 B	0.093B	0.007	0	0	0	0	0	---	---	7
8	---	---	0 B	0.150B	0.007	0	0	0	0	0	---	---	8
9	---	---	0 B	0.218B	0.008	0	0	0	0	0	---	---	9
10	---	---	0 B	0.328B	0.008	0	0.303	0	0	0	---	---	10
11	---	---	0 B	0.425B	0.007	0	0.358	0	0	0	---	---	11
12	---	---	0 B	0.593B	0.006	0	0.235	0	0	0	---	---	12
13	---	---	0 B	0.926	0.006	0	0.200	0	0	0	---	---	13
14	---	---	0 B	1.10	0.005	0	0.131	0	0	0	---	---	14
15	---	---	0 B	0.784	0.005	0	0.095	0	0	0	---	---	15
16	---	---	0 B	0.568	0.005	0	0.082	0	0	0	---	---	16
17	---	---	0 B	0.424	0.005	0	0.074	0	0	0	---	---	17
18	---	---	0 B	0.308	0.004	0	0.069	0	0	0	---	---	18
19	---	---	0 B	0.225	0.006	0	0.062	0	0	0	---	---	19
20	---	---	0 B	0.172	0.006	0	0.054	0	0	0	---	---	20
21	---	---	0 B	0.157	0.006	0	0.037	0	0	0	---	---	21
22	---	---	0 B	0.141	0.004	0	0.018	0	0	0	---	---	22
23	---	---	0 B	0.131	0.003	0	0.009	0	0	0	---	---	23
24	---	---	0 B	0.104	0.003	0	0.004	0	0	0	---	---	24
25	---	---	0 B	0.092	0.002	0	0.003	0	0	0	---	---	25
26	---	---	0.003B	0.074	0.001	0	0.020	0	0	0A	---	---	26
27	---	---	0.034B	0.064	0.002	0	0.011	0	0	0E	---	---	27
28	---	---	0.116B	0.054	0.003	0	0.006	0	0	0E	---	---	28
29	---		0.160B	0.046	0.002	0	0.004	0	0	0E	---	---	29
30	---		0.200B	0.036	0.002	0	0.002	0	0	0E	---	---	30
31	---		0.335B		0.001		0.002	0		0E		---	31
TOTAL	---	---	0.848	8.423	0.265	0.001	1.775	0.045	0	0	---	---	TOTAL
MEAN	---	---	0.027	0.281	0.009	0	0.057	0.001	0	0	---	---	MEAN
MAX	---	---	0.335	1.10	0.034	0.001	0.354	0.033	0	0	---	---	MAX
MIN	---	---	0	0.036	0.001	0	0	0		0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.046
MAXIMUM DAILY, 1.10 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.17 AT 08:34 MST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 43 N
LONG 112 05 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	153
FEB	---	AUG	3.89
MAR	73.3	SEP	0
APR	728	OCT	0
MAY	22.9	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 981 dam³

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.002	---	---	---	---	0.082	0.058	0.021	0.011	0.011	0.007	0.005	1
2	0.002	---	---	---	---	0.097	0.055	0.021	0.011	0.011	0.007	0.005	2
3	---	---	---	---	---	0.109	0.052	0.020	0.011	0.011	0.007	0.005	3
4	---	---	---	---	---	0.104	0.051	0.019	0.013	0.010	0.007	0.005	4
5	---	---	---	---	---	0.122	0.051	0.019	0.012	0.010	0.007	0.005E	5
6	---	---	---	---	---	0.093	0.048	0.018	0.011	0.010	0.007	0.005E	6
7	---	---	---	---	---	0.076	0.046	0.018	0.011	0.010	0.007	0.005E	7
8	---	---	---	---	---	0.068	0.043	0.017	0.010	0.010	0.008	0.005E	8
9	---	---	---	---	---	0.107	0.042	0.017	0.010	0.009	0.008	0.004E	9
10	---	---	---	---	---	0.127	0.040	0.016	0.011	0.009	0.010	0.004E	10
11	---	---	---	---	---	0.152	0.037	0.016	0.011	0.009	0.008	0.004E	11
12	---	---	---	---	---	0.158	0.036	0.016	0.010	0.009	0.007	0.004E	12
13	---	---	---	---	---	0.156	0.034	0.016	0.011	0.009	0.006	0.004	13
14	---	---	---	---	0.011B	0.148	0.033	0.016	0.010	0.009	0.006	0.004	14
15	---	---	---	---	---	0.140	0.033	0.015	0.010	0.009	0.006	0.004	15
16	---	---	---	---	---	0.146	0.032	0.014	0.011	0.009	0.006	0.005	16
17	---	---	---	---	---	0.135	0.031	0.014	0.010	0.009	0.005	0.005	17
18	---	---	---	---	---	0.125	0.030	0.013	0.010	0.009	0.005	0.005	18
19	---	---	---	---	---	0.117	0.029	0.013	0.010	0.009	0.005E	0.005	19
20	---	---	---	---	---	0.106	0.034	0.013	0.010	0.008	0.005E	0.005	20
21	---	---	---	---	0.059	0.098	0.030	0.013	0.010	0.008	0.005E	0.005	21
22	---	---	---	---	0.077	0.089	0.030	0.012	0.010	0.009	0.005E	0.005	22
23	---	---	---	---	0.065	0.084	0.027	0.012	0.009	0.009	0.005E	0.005	23
24	---	---	---	---	0.081	0.076	0.026	0.012	0.009	0.008	0.005E	0.005	24
25	---	---	---	---	0.091	0.071	0.026	0.012	0.009	0.008	0.005	0.005	25
26	---	---	---	---	0.056	0.067	0.025	0.014	0.011	0.008	0.005	0.005	26
27	---	---	---	---	0.042	0.072	0.024	0.013	0.010	0.008	0.005	0.005	27
28	---	---	---	---	0.040	0.067	0.023	0.012	0.010	0.008	0.005	0.005	28
29	---		---	---	0.038	0.063	0.022	0.012	0.010	0.007	0.005	0.004	29
30	---		---	---	0.040	0.062	0.022	0.012	0.010	0.007	0.005	0.004	30
31	---		---		0.057		0.022	0.011		0.007		0.003	31
TOTAL	---	---	---	---	---	3.117	1.092	0.467	0.312	0.277	0.184	0.144	TOTAL
MEAN	---	---	---	---	---	0.104	0.035	0.015	0.010	0.009	0.006	0.005	MEAN
MAX	---	---	---	---	---	0.158	0.058	0.021	0.013	0.011	0.010	0.005	MAX
MIN	---	---	---	---	---	0.062	0.022	0.011	0.009	0.007	0.005	0.003	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.158 ON JUN 12

MAXIMUM INSTANTANEOUS,
0.206 AT 14:26 MST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 00 W
DRAINAGE AREA, 2.12 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	94.3
FEB	---	AUG	40.3
MAR	---	SEP	27.0
APR	---	OCT	23.9
MAY	---	NOV	15.9
JUN	269	DEC	12.4

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.200E	0.322	0.256	0.259	0.157	---	0.200B	---	1
2	---	---	---	---	0.200E	0.256	0.251	0.231	0.151	---	0.190B	---	2
3	---	---	---	---	0.248A	0.232	0.279	0.255	0.153	---	0.180B	---	3
4	---	---	---	---	0.373	0.211	0.259	0.231	0.159	---	0.170B	---	4
5	---	---	---	---	0.503	0.203	0.266	0.224	0.131	---	0.160B	---	5
6	---	---	---	---	0.420	0.240	0.138	0.259	0.125	---	0.150B	---	6
7	---	---	---	---	0.372	0.263	0.112	0.267	0.154	---	0.143B	---	7
8	---	---	---	---	0.382	0.260	0.087	0.245	0.180	---	0.145B	---	8
9	---	---	---	---	0.380	0.289	0.130	0.258	0.173	---	---	---	9
10	---	---	---	---	0.357	0.291	0.098	0.293	0.179	---	---	---	10
11	---	---	---	---	0.196	0.314	0.085	0.270	0.222	---	---	---	11
12	---	---	---	---	0.112	0.271	0.107	0.244	0.235	---	---	---	12
13	---	---	---	---	0.103	0.270	0.109	0.206	0.246	---	---	---	13
14	---	---	---	---	0.092	0.279	0.103	0.233	0.241	---	---	---	14
15	---	---	---	---	0.073	0.242	0.079	0.303	0.227	---	---	---	15
16	---	---	---	---	0.076	0.232	0.043	0.286	0.227	---	---	---	16
17	---	---	---	---	0.080	0.328	0.040	0.252	0.216	---	---	---	17
18	---	---	---	---	0.071	0.323	0.076	0.263	0.180	---	---	---	18
19	---	---	---	---	0.078	0.177	0.138	0.232	0.166	---	---	---	19
20	---	---	---	0.115A	0.072	0.164	0.287	0.214	0.146	---	---	---	20
21	---	---	---	---	0.098	0.161	0.325	0.279	0.119	---	---	---	21
22	---	---	---	---	0.433	0.184	0.301	0.252	0.113	---	---	---	22
23	---	---	---	---	0.389	0.190	0.282	0.210	0.107	---	---	---	23
24	---	---	---	---	0.237	0.306	0.235	0.192	0.102	---	---	---	24
25	---	---	---	---	0.186	0.211	0.239	0.222	0.094	---	---	---	25
26	---	---	---	---	0.167	0.184	0.222	0.246	0.164	---	---	---	26
27	---	---	---	---	0.241	0.272	0.209	0.239	0.241	---	---	---	27
28	---	---	---	---	0.593	0.361	0.236	0.203	0.234	0.292A	---	---	28
29	---		---	---	0.412	0.331	0.234	0.175	0.224	0.212	---	---	29
30	---		---	---	0.330	0.277	0.236	0.151	0.202A	0.214B	---	---	30
31	---		---		0.351		0.275	0.145		0.222B		---	31
TOTAL	---	---	---	---	7.825	7.644	5.737	7.339	5.268	---	---	---	TOTAL
MEAN	---	---	---	---	0.252	0.255	0.185	0.237	0.176	---	---	---	MEAN
MAX	---	---	---	---	0.593	0.361	0.325	0.303	0.246	---	---	---	MAX
MIN	---	---	---	---	0.071	0.161	0.040	0.145	0.094	---	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 30 N
LONG 113 21 05 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	496
FEB	---	AUG	634
MAR	---	SEP	455
APR	---	OCT	---
MAY	676	NOV	---
JUN	660	DEC	---

CALLING LAKE AT RANGER STATION - STATION NO. 07CB001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	593.826	593.921	593.906	593.966	593.977	593.897	---	---	1
2	---	---	---	---	593.828	593.921	593.911	593.971	593.967	593.892	---	---	2
3	---	---	---	---	593.828	593.921	593.916	593.986	593.965	593.887	---	---	3
4	---	---	---	---	593.829	593.926	593.951	594.006	593.972	593.887	---	---	4
5	---	---	---	---	593.829	593.931	593.941	594.011	593.962	593.877	---	---	5
6	---	---	---	---	593.861	593.926	593.951	594.011	593.962	593.868	---	---	6
7	---	---	---	---	593.856	593.919	593.946	594.011	593.957	593.875	---	---	7
8	---	---	---	---	593.851	593.935	593.941	594.002	593.962	593.871	---	---	8
9	---	---	---	---	593.851	593.916	593.936	593.997	593.957	593.868	---	---	9
10	---	---	---	---	593.856	593.916	593.926	593.997	593.962	593.867	---	---	10
11	---	---	---	---	593.871	593.921	593.936	594.002	593.957	593.865	---	---	11
12	---	---	---	---	593.866	593.926	593.946	594.017	593.957	593.864	---	---	12
13	---	---	---	---	593.866	593.916	593.926	594.017	593.952	593.857	---	---	13
14	---	---	---	---	593.876	593.916	593.926	594.012	593.947	593.856	---	---	14
15	---	---	---	---	593.876	593.926	593.962	594.002	593.947	593.850	---	---	15
16	---	---	---	---	593.881	593.931	593.971	594.017	593.942	593.849	---	---	16
17	---	---	---	593.802	593.881	593.931	593.956	594.002	593.947	593.841	---	---	17
18	---	---	---	---	593.881	593.926	593.961	594.012	593.937	593.840	---	---	18
19	---	---	---	---	593.911	593.926	593.961	594.007	593.922	593.839	---	---	19
20	---	---	---	---	593.916	593.926	593.956	594.002	593.917	593.847	---	---	20
21	---	---	---	---	593.916	593.931	593.956	593.997	593.917	593.846	---	---	21
22	---	---	---	---	593.911	593.921	593.966	594.002	593.922	593.837	---	---	22
23	---	---	---	---	593.921	593.911	593.966	594.007	593.917	593.826	---	---	23
24	---	---	---	---	593.881	593.921	593.966	594.002	593.912	593.831	---	---	24
25	---	---	---	---	593.886	593.926	593.968	594.002	593.912	593.835	---	---	25
26	---	---	---	---	593.916	593.911	593.976	593.992	593.912	593.835	---	---	26
27	---	---	---	593.807	593.906	593.904	593.966	593.992	593.907	593.834	---	---	27
28	---	---	---	---	593.916	593.901	593.966	593.992	593.907	593.834E	---	---	28
29	---		---	---	593.911	593.901	593.966	593.987	593.907	593.834E	---	---	29
30	---		---	---	593.921	593.896	593.971	593.977	593.902	593.834E	---	---	30
31	---		---		593.921		593.976	593.977		593.834E		---	31
MEAN	---	---	---	---	593.879	593.920	593.951	593.999	593.939	593.854	---	---	MEAN
MAX	---	---	---	---	593.921	593.935	593.976	594.017	593.977	593.897	---	---	MAX
MIN	---	---	---	---	593.826	593.896	593.906	593.966	593.902	593.826	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 13 35 N
LONG 113 12 05 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AP028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	37.3	27.6	51.2	60.2	30.6	39.0	0E	---	1
2	---	---	---	0 E	37.1	27.6	40.2	60.1	29.4	32.7	0A	---	2
3	---	---	---	0 E	37.4	27.4	36.2	60.3	29.2	29.0	---	---	3
4	---	---	---	0 E	37.6	27.7	38.6	60.2	28.9	22.0	---	---	4
5	---	---	---	0 E	37.8	27.7	46.1	60.0	28.8	12.8	---	---	5
6	---	---	---	0 E	38.1	27.8	46.7	59.8	28.4	9.22	---	---	6
7	---	---	---	0 A	38.2	27.0	46.6	59.9	27.7	14.9	---	---	7
8	---	---	---	0	38.5	18.8	46.3	60.0	24.9	15.9	---	---	8
9	---	---	---	0	38.7	17.0	46.0	59.8	23.9	9.79	---	---	9
10	---	---	---	0	38.7	16.7	46.0	59.4	23.6	2.74	---	---	10
11	---	---	---	0	39.0	16.6	45.9	59.6	23.1	0.739	---	---	11
12	---	---	---	0	39.1	16.6	45.9	59.1	23.0	0.175	---	---	12
13	---	---	---	0.036	39.5	16.5	49.4	58.5	22.7	0	---	---	13
14	---	---	---	2.85	39.6	20.4	61.1	49.4	22.5	0	---	---	14
15	---	---	---	7.57	39.6	34.5	61.8	48.1	22.2	0	---	---	15
16	---	---	---	11.6	39.7	36.0	62.0	47.8	22.1	0	---	---	16
17	---	---	---	13.5	40.0	38.4	61.9	47.7	22.5	0	---	---	17
18	---	---	---	13.6	40.1	45.4	61.6	47.5	22.0	0	---	---	18
19	---	---	---	16.5	40.5	46.0	61.7	47.2	21.8	0	---	---	19
20	---	---	---	23.0	43.7	46.7	61.5	47.1	21.5	0 A	---	---	20
21	---	---	---	27.0	44.3	55.5	61.5	47.1	22.3	0 E	---	---	21
22	---	---	---	30.7	44.4	58.0	61.4	46.9	27.9	0 E	---	---	22
23	---	---	---	32.4	44.5	58.8	61.1	46.8	28.9	0 E	---	---	23
24	---	---	---	33.0	44.6	64.1	61.2	46.6	28.7	0 E	---	---	24
25	---	---	---	32.9	44.6	64.9	61.3	46.7	27.9	0 E	---	---	25
26	---	---	---	35.2	48.3	65.1	58.6	46.8	30.9	0 E	---	---	26
27	---	---	---	36.4	43.5	65.1	44.9	40.5	41.7	0 E	---	---	27
28	---	---	---	36.7	41.7	65.1	59.5	39.2	40.8	0 E	---	---	28
29	---		---	37.7	31.7	65.4	61.4	38.8	39.2E	0 E	---	---	29
30	---		---	38.0	29.6	60.8	60.9	38.6	39.1A	0 E	---	---	30
31	---		---		27.9		60.4	37.6		0 E		---	31
TOTAL	---	---	---	428.656	1 225.3	1 185.2	1 660.9	1 587.3	826.2	188.964	---	---	TOTAL
MEAN	---	---	---	14.3	39.5	39.5	53.6	51.2	27.5	6.10	---	---	MEAN
MAX	---	---	---	38.0	48.3	65.4	62.0	60.3	41.7	39.0	---	---	MAX
MIN	---	---	---	0	27.9	16.5	36.2	37.6	21.5	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.2
MAXIMUM DAILY, 65.4 ON JUN 29
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 112 41 53 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	144 000
FEB	---	AUG	137 000
MAR	---	SEP	71 400
APR	37 000	OCT	16 300
MAY	106 000	NOV	---
JUN	102 000	DEC	---

TOTAL DISCHARGE, 614 000 dam³

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	54.9	38.7	54.1	57.6	17.9	3.05	0E	---	1
2	---	---	---	0 E	54.6	36.8	34.7	57.4	11.4	2.84	0E	---	2
3	---	---	---	0 E	54.3	36.5	34.4	57.4	11.5	2.92	0A	---	3
4	---	---	---	0 E	54.1	36.4	39.3	57.4	11.5	7.54	---	---	4
5	---	---	---	0 E	54.1	36.4	50.4	57.3	11.5	25.6	---	---	5
6	---	---	---	0 E	54.0	36.4	53.2	55.5	11.5	28.1	---	---	6
7	---	---	---	0 E	54.3	29.2	53.4	54.4	9.09	26.8	---	---	7
8	---	---	---	0 E	54.9	17.7	53.4	54.5	4.22	24.7	---	---	8
9	---	---	---	0 E	54.9	19.8	53.3	52.5	4.11	24.6	---	---	9
10	---	---	---	0 E	55.0	15.7	53.3	51.1	4.09	24.6	---	---	10
11	---	---	---	0 E	55.0	15.8	53.4	50.9	4.09	24.4	---	---	11
12	---	---	---	0 E	54.7	15.8	47.2	50.0	4.03	24.5	---	---	12
13	---	---	---	0 E	54.9	15.8	48.3	42.8	4.09	24.6	---	---	13
14	---	---	---	0 E	55.1	23.9	57.1	36.9	4.07	21.4	---	---	14
15	---	---	---	0 E	54.9	41.2	58.1	36.9	4.11	10.3	---	---	15
16	---	---	---	0 E	54.6	42.5	57.8	36.9	4.13	0.792	---	---	16
17	---	---	---	0 E	54.9	46.7	58.0	36.7	4.16	0.821	---	---	17
18	---	---	---	0 E	54.7	55.5	58.0	36.7	4.08	0.947	---	---	18
19	---	---	---	0 E	54.5	55.7	58.0	36.8	4.07	0 A	---	---	19
20	---	---	---	0 A	54.6	55.8	57.9	36.7	12.8	0 E	---	---	20
21	---	---	---	0	55.6	59.5	57.8	36.7	27.0	0 E	---	---	21
22	---	---	---	0.023	57.7	62.3	57.8	36.6	25.2	0 E	---	---	22
23	---	---	---	0.062	57.7	64.6	57.7	33.2	5.27	0 E	---	---	23
24	---	---	---	0.108	57.9	66.2	57.8	30.6	4.02	0 E	---	---	24
25	---	---	---	0.175	58.6	66.0	57.9	30.6	4.00	0 E	---	---	25
26	---	---	---	0.232	57.3	66.2	46.6	28.2	3.98	0 E	---	---	26
27	---	---	---	0.297	52.6	66.2	43.2	26.0	3.30	0 E	---	---	27
28	---	---	---	16.2	40.9	66.0	52.6	27.5	2.64	0 E	---	---	28
29	---		---	40.9	31.0	66.3	52.5	27.6	2.73	0 E	---	---	29
30	---		---	55.8	31.1	60.3	55.4	27.6	3.07	0 E	---	---	30
31	---		---		31.2		57.8	23.6		0 E		---	31
TOTAL	---	---	---	112.997	1 624.6	1 311.9	1 630.4	1 284.6	227.65	278.510	---	---	TOTAL
MEAN	---	---	---	3.77	52.4	43.7	52.6	41.4	7.59	8.98	---	---	MEAN
MAX	---	---	---	55.0	58.6	66.3	58.1	57.6	27.0	28.1	---	---	MAX
MIN	---	---	---	0	31.0	15.7	34.4	23.6	2.64	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.2
MAXIMUM DAILY, 66.3 ON JUN 29
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 39 N
LONG 113 02 35 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	181 000
FEB	---	AUG	111 000
MAR	---	SEP	19 700
APR	9 760	OCT	24 100
MAY	140 000	NOV	---
JUN	113 000	DEC	---

TOTAL DISCHARGE, 559 000 dam³

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.60B	11.8	8.47	9.92	6.29	5.62	---	---	1
2	---	---	---	---	2.90B	14.8	8.18	9.45	5.84	6.10	---	---	2
3	---	---	---	---	3.25B	13.8	13.3	9.04	5.78	7.79	---	---	3
4	---	---	---	---	3.10B	14.0	38.5	8.59	7.03	6.48	---	---	4
5	---	---	---	---	3.00B	15.3	83.2	7.97	7.85	5.79	---	---	5
6	---	---	---	---	3.90B	11.2	57.1	7.43	6.74	5.62	---	---	6
7	---	---	---	---	4.05B	8.56	38.4	6.94	6.09	5.48	---	---	7
8	---	---	---	---	3.95B	9.89	31.0	6.69	5.67	5.01	---	---	8
9	---	---	---	---	3.50B	11.3	23.3	6.61	5.38	4.91	---	---	9
10	---	---	---	---	3.01B	14.5	18.9	6.68	5.25	5.24	---	---	10
11	---	---	---	---	4.59	18.8	16.3	6.48	5.00	5.49	---	---	11
12	---	---	---	---	5.30	17.3	14.3	6.42	5.10	5.26	---	---	12
13	---	---	---	---	5.99	16.5	14.3	5.97	5.12	5.20	---	---	13
14	---	---	---	---	6.91	16.4	16.9	6.45	4.90	5.67	---	---	14
15	---	---	---	---	7.24	14.6	25.8	6.55	4.89	6.10	---	---	15
16	---	---	---	---	7.09	12.1	25.5	5.92	5.07	6.08	---	---	16
17	---	---	---	---	9.33	9.73	22.6	5.58	4.72	5.88	---	---	17
18	---	---	---	---	9.67	9.54	19.4	5.19	4.51	5.42	---	---	18
19	---	---	---	---	7.39	10.1	19.5	5.01	4.42	5.14	---	---	19
20	---	---	---	---	6.72	10.5	19.5	4.92	4.33	4.93	---	---	20
21	---	---	---	---	6.79	10.2	17.9	5.28	4.18	4.97	---	---	21
22	---	---	---	---	7.97	9.56	18.3	6.62	4.17	4.87	---	---	22
23	---	---	---	---	6.93	10.8	15.0	5.92	4.03	5.07	---	---	23
24	---	---	---	---	7.59	8.02	13.3	5.41	3.86	4.87	---	---	24
25	---	---	---	---	10.4	7.04	14.2	5.37	3.91	4.72	---	---	25
26	---	---	---	---	7.08	7.05	15.3	9.19	6.09	4.52	---	---	26
27	---	---	---	1.98B	5.79	9.00	12.6	8.73	6.55	4.36	---	---	27
28	---	---	---	2.40B	5.75	14.9	11.4	9.22	5.70	4.04A	---	---	28
29	---		---	2.60B	6.41	9.95	10.6	8.31	6.03	3.90E	---	---	29
30	---		---	2.40B	7.92	9.05	10.1	7.57	5.25	3.80E	---	---	30
31	---		---		9.26		9.51	6.96		3.75E		---	31
TOTAL	---	---	---	---	185.38	356.29	662.66	216.31	159.76	162.08	---	---	TOTAL
MEAN	---	---	---	---	5.98	11.9	21.4	6.98	5.33	5.23	---	---	MEAN
MAX	---	---	---	---	10.4	18.8	83.2	9.92	7.85	7.79	---	---	MAX
MIN	---	---	---	---	2.60	7.04	8.18	4.92	3.86	3.75	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.47
MAXIMUM DAILY, 83.2 ON JUL 5
MINIMUM DAILY, 2.60B ON MAY 1
MAXIMUM INSTANTANEOUS,
98.0 AT 16:25 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 04 N
LONG 116 35 43 W
DRAINAGE AREA, 484 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	57 300
FEB	---	AUG	18 700
MAR	---	SEP	13 800
APR	---	OCT	16 000
MAY	16 000	NOV	---
JUN	30 800	DEC	---

TOTAL DISCHARGE, 151 000 dam³

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.5	6.50	8.52	6.69	9.24	0.331	14.0	0.314	0.317	0.416	8.33	11.4	1
2	15.4	6.68	8.22	7.26	6.72	0.328	13.7	0.314	0.402	0.405	9.91	11.4	2
3	14.5	6.65	7.42	7.33	9.03	0.297	16.3	2.89	0.487	0.411	9.77	11.8	3
4	18.1	9.38	7.60	7.93	9.32	0.331	16.9	0.317	0.481	0.411	9.43	9.66	4
5	19.2	9.51	9.76	10.5	8.92	0.331	16.4	0.306	0.476	0.422	10.1	9.60	5
6	16.4	8.06	7.60	10.5	9.34	0.331	16.2	0.317	0.476	0.422	10.0	11.4	6
7	15.4	6.15	7.81	7.26	8.78	0.334	16.0	0.326	0.476	0.428	8.16	11.2	7
8	15.3	10.4	7.68	11.4	6.03	0.334	11.2	0.317	0.479	0.447	9.88	11.8	8
9	16.3	6.65	6.98	6.35	6.23	0.331	13.0	0.314	0.490	0.447	9.60	11.2	9
10	16.1	9.58	7.45	6.99	6.14	0.331	11.8	0.314	0.450	0.456	8.92	10.8	10
11	15.7	9.72	7.09	5.77	9.17	0.354	11.8	2.92	0.456	0.464	7.65	8.72	11
12	11.7	9.13	7.27	6.07	9.03	0.337	9.37	6.00	0.462	0.473	8.83	9.85	12
13	11.7	9.08	7.19	8.08	8.69	0.331	8.41	6.48	0.456	0.476	7.59	11.9	13
14	11.5	7.48	7.13	5.66	3.79	0.328	6.94	0.340	0.459	0.493	8.38	11.7	14
15	14.5	6.71	7.45	6.16	1.16	0.348	6.57	0.320	0.456	0.484	8.61	13.0	15
16	9.12	6.35	7.75	9.24	0.309	1.16	5.75	0.994	0.453	0.493	9.97	12.9	16
17	9.18	5.75	7.61	12.4	8.64	0.314	3.23	5.78	0.447	0.496	9.85	13.7	17
18	9.13	6.49	8.19	10.3	8.67	0.328	3.23	11.6	0.459	0.501	9.49	13.1	18
19	15.3	6.22	7.36	10.6	7.84	0.326	5.95	11.8	0.450	0.496	12.3	11.8	19
20	14.2	6.44	7.28	9.14	8.98	0.328	6.09	12.1	0.442	0.496	10.1	12.7	20
21	22.2	5.82	7.15	11.7	3.43	0.328	2.89	6.17	2.97	0.513	8.50	12.8	21
22	12.4	6.93	7.29	10.4	0.328	0.331	6.43	5.64	2.86	0.515	11.5	12.0	22
23	9.24	5.74	7.42	12.7	0.326	0.328	2.77	6.14	5.52	0.527	11.3	12.8	23
24	7.89	6.95	7.70	12.6	0.326	7.36	0.309	6.34	6.23	0.524	11.2	12.9	24
25	8.49	5.77	7.71	12.8	0.323	7.50	0.306	6.06	2.78	9.57	11.6	11.9	25
26	9.60	7.82	8.39	12.6	0.326	8.44	0.309	6.03	0.467	9.46	11.2	12.2	26
27	6.92	9.27	7.64	14.0	0.671	8.50	6.68	6.20	0.439	8.58	11.2	11.9	27
28	6.30	10.4	8.26	14.0	0.334	8.95	5.15	5.89	0.439	8.50	11.0	11.8	28
29	13.2		7.53	12.6	0.334	11.6	5.95	6.09	0.433	8.64	11.1	12.7	29
30	3.96		7.64	12.0	0.334	11.4	2.83	0.348	0.428	8.47	11.1	13.4	30
31	3.48		6.67		0.331		0.317	0.326		8.27		12.9	31
TOTAL	387.91	211.13	234.76	291.03	153.092	72.170	246.781	119.297	31.640	72.706	296.57	366.93	TOTAL
MEAN	12.5	7.54	7.57	9.70	4.94	2.41	7.96	3.85	1.05	2.35	9.89	11.8	MEAN
MAX	22.2	10.4	9.76	14.0	9.34	11.6	16.9	12.1	6.23	9.57	12.3	13.7	MAX
MIN	3.48	5.74	6.22	5.66	0.309	0.297	0.306	0.306	0.317	0.405	7.59	8.72	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.81
MAXIMUM DAILY, 22.2 ON JAN 21
MINIMUM DAILY, 0.297 ON JUN 3
MAXIMUM INSTANTANEOUS,
40.8 AT 10:30 MST ON MAY 4

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	33 500	JUL	21 300
FEB	18 200	AUG	10 300
MAR	20 300	SEP	2 730
APR	25 100	OCT	6 280
MAY	13 200	NOV	25 600
JUN	6 240	DEC	31 700

TOTAL DISCHARGE, 214 000 dam³

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.90E	10.6	20.1	7.50	4.35	3.96	---	---	1
2	---	---	---	---	1.95E	13.7	17.5	7.27	4.23	4.04	---	---	2
3	---	---	---	---	2.03E	16.6	16.6	6.97	4.17	4.06	---	---	3
4	---	---	---	---	2.12E	16.8	16.0	6.62	5.21	3.91	---	---	4
5	---	---	---	---	2.32E	16.5	14.1	6.12	6.05	3.76	---	---	5
6	---	---	---	---	2.42E	14.5	18.1	5.86	5.41	3.70	---	---	6
7	---	---	---	---	2.52E	11.0	18.5	5.80	4.90	3.66	---	---	7
8	---	---	---	---	2.62E	9.45	15.8	5.61	4.77	3.53	---	---	8
9	---	---	---	---	2.72E	10.5	14.4	5.78	4.83	3.40	---	---	9
10	---	---	---	---	2.72E	16.2	13.2	6.07	5.51	3.47	---	---	10
11	---	---	---	---	2.75A	22.1	12.4	6.35	5.10	3.37	---	---	11
12	---	---	---	---	2.87	26.9	11.9	6.26	4.92	3.33	---	---	12
13	---	---	---	---	2.95	30.4	10.9	6.01	4.66	3.22	---	---	13
14	---	---	---	---	3.37	34.2	12.2	5.80	4.42	3.18	---	---	14
15	---	---	---	---	4.07	35.6	11.2	5.40	4.28	3.20	---	---	15
16	---	---	---	---	5.10	36.4	9.35	5.09	4.20	3.20	---	---	16
17	---	---	---	---	6.71	30.4	8.62	4.82	4.05	3.32	---	---	17
18	---	---	---	---	7.30	27.8	8.47	4.64	4.00	3.17	---	---	18
19	---	---	---	---	6.52	29.9	8.79	4.57	3.94	3.02	---	---	19
20	---	---	---	---	6.68	30.6	12.4	4.56	3.87	2.86	---	---	20
21	---	---	---	---	7.83	30.3	14.0	4.65	3.85	2.94	---	---	21
22	---	---	---	---	9.18	30.8	12.3	4.56	3.92	3.12	---	---	22
23	---	---	---	---	8.84	29.1	10.1	4.51	3.76	3.24	---	---	23
24	---	---	---	---	10.1	25.0	9.10	4.46	3.71	3.08	---	---	24
25	---	---	---	---	16.7	24.2	8.76	4.47	3.69	2.96	---	---	25
26	---	---	---	---	12.5	24.2	8.45	4.65	4.26	2.95	---	---	26
27	---	---	---	---	8.57	25.2	8.01	4.64	4.36	2.98A	---	---	27
28	---	---	---	---	6.80	24.3	7.91	4.72	4.30	2.89E	---	---	28
29	---		---	---	5.97	21.2	7.88	4.75	4.22	2.94E	---	---	29
30	---		---	---	5.60	21.3	7.76	4.68	4.01	2.69E	---	---	30
31	---		---		6.74		7.79	4.48		2.64E		---	31
TOTAL	---	---	---	---	170.47	695.75	372.59	167.59	132.95	101.75	---	---	TOTAL
MEAN	---	---	---	---	5.50	23.2	12.0	5.41	4.43	3.28	---	---	MEAN
MAX	---	---	---	---	16.7	36.4	20.1	7.50	6.05	4.06	---	---	MAX
MIN	---	---	---	---	1.90	9.45	7.76	4.46	3.69	2.64	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.92
MAXIMUM DAILY, 36.4 ON JUN 16
MINIMUM DAILY, 1.90E ON MAY 1
MAXIMUM INSTANTANEOUS,
42.4 AT 00:00 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 15 N
LONG 115 32 00 W

DRAINAGE AREA, 453 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	32 200
FEB	---	AUG	14 500
MAR	---	SEP	11 500
APR	---	OCT	8 790
MAY	14 700	NOV	---
JUN	60 100	DEC	---

TOTAL DISCHARGE, 142 000 dam³

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.04B	1.13 B	3.81	23.5	32.0	6.67	2.75	2.20	2.99	---	1
2	---	---	1.03B	1.07 B	6.22	26.3	29.6	6.42	2.66	2.26	2.94	---	2
3	---	---	1.28B	1.06 B	9.36	30.4	27.5	6.23	2.60	2.33	2.86A	---	3
4	---	---	1.28B	1.05 B	9.49	37.4	25.2	5.99	2.86	2.37	---	---	4
5	---	---	1.30B	1.04 B	8.65	44.8	22.7	5.81	2.77	2.41	---	---	5
6	---	---	1.30B	1.03 B	8.28	44.1	20.3	5.60	2.62	2.44	---	---	6
7	---	---	1.34B	1.03 B	8.21	38.5	18.9	5.34	2.54	2.47	---	---	7
8	---	---	1.32B	1.03 B	8.87	33.0	17.8	5.16	2.45	2.47	---	---	8
9	---	---	1.30B	1.02	8.38	31.2	16.9	5.02	2.40	2.46	---	---	9
10	---	---	1.38B	0.997	7.67	34.7	16.3	4.87	2.50	2.46	---	---	10
11	---	---	1.44B	1.22	7.39	41.7	15.9	4.68	2.42	2.45	---	---	11
12	---	---	1.44B	1.51	8.04	47.1	15.5	4.74	2.44	2.40	---	---	12
13	---	---	1.37B	1.51	9.54	53.9	14.9	4.49	2.42	2.39	---	---	13
14	---	---	1.37B	1.46	13.6	58.0	15.2	4.31	2.34	2.37	---	---	14
15	---	---	1.38B	1.31	19.5	57.3	14.5	4.21	2.30	2.35	---	---	15
16	---	---	1.32B	1.24	25.7	57.1	13.8	4.06	2.27	2.39	---	---	16
17	---	---	1.28B	1.21	27.3	52.1	12.6	3.95	2.21	2.37	---	---	17
18	---	---	1.22B	1.20	30.9	47.8	11.5	3.84	2.19	2.39	---	---	18
19	---	---	1.18B	1.16	30.9	47.5	10.8	3.75	2.15	2.40	---	---	19
20	---	---	1.18B	1.13	29.0	49.7	10.9	3.66	2.09	2.39	---	---	20
21	---	---	1.17B	1.22	30.5	50.3	10.7	3.58	2.08	2.40	---	---	21
22	---	---	1.17B	1.55	35.2	49.7	10.2	3.52	2.07	2.49	---	---	22
23	---	1.16B	1.16B	2.05	38.5	46.2	9.61	3.49	2.03	2.86	---	---	23
24	---	1.13B	1.16B	2.28	38.1	41.4	9.02	3.41	2.00	2.73	---	---	24
25	---	1.08B	1.16B	2.21	44.4	38.8	8.40	3.33	1.98	2.83	---	---	25
26	---	1.07B	1.15B	2.28	56.1	38.0	7.97	3.29	2.21	2.98	---	---	26
27	---	1.06B	1.15B	2.48	43.7	38.7	7.70	3.18	2.21	2.99	---	---	27
28	---	1.05B	1.14B	2.77	34.0	36.7	7.54	3.03	2.32	3.00	---	---	28
29	---		1.14B	2.87	27.2	33.4	7.32	2.98	2.26	2.99	---	---	29
30	---		1.14B	2.93	23.5	32.7	7.10	2.92	2.23	2.97	---	---	30
31	---		1.13B		22.3		6.88	2.84		2.96		---	31
TOTAL	---	---	38.42	46.047	674.31	1 262.0	455.24	134.33	70.37	78.93	---	---	TOTAL
MEAN	---	---	1.24	1.53	21.8	42.1	14.7	4.33	2.35	2.55	---	---	MEAN
MAX	---	---	1.44	2.93	56.1	58.0	32.0	6.67	2.86	3.00	---	---	MAX
MIN	---	---	1.03	0.997	3.81	23.5	6.88	2.84	1.98	2.20	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.3
MAXIMUM DAILY, 58.0 ON JUN 14
MINIMUM DAILY, 0.997 ON APR 10
MAXIMUM INSTANTANEOUS,
58.7 AT 23:35 MST ON JUN 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 55 N
LONG 114 20 20 W
DRAINAGE AREA, 376 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	39 300
FEB	---	AUG	11 600
MAR	3 320	SEP	6 080
APR	3 980	OCT	6 820
MAY	58 300	NOV	---
JUN	109 000	DEC	---

TOTAL DISCHARGE, 238 000 dam³

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.49B	1.80B	2.30B	2.15B	11.0	45.1	54.0	8.55	3.87	4.19	4.80	2.72B	1
2	1.48B	1.68B	1.95B	2.14B	19.0	49.5	49.1	8.30	3.76	4.21	4.68B	2.70B	2
3	1.47B	1.60B	1.69B	2.13B	28.3	56.4	44.4	8.14	3.63	4.45	4.69B	2.68B	3
4	1.50B	1.60B	1.69B	2.14B	24.1	67.2	40.0	7.91	3.99	4.46	5.00	2.64B	4
5	1.53B	1.69I	1.67B	2.15B	21.2	77.6	35.9	7.48	4.42	4.81	4.97	2.63B	5
6	1.58B	1.74B	1.68B	2.16B	21.1	76.8	32.7	7.09	3.91	4.33	4.97	2.60B	6
7	1.53B	1.70B	1.81B	2.14B	21.6	68.8	30.5	6.81	3.70	4.30	4.60B	2.57B	7
8	1.43B	1.67B	1.86B	2.14B	24.7	60.1	28.2	6.62	3.54	4.24	4.10B	2.55B	8
9	1.38B	1.65B	1.77	2.14B	19.5	56.5	26.8	6.72	3.43	4.19	3.73B	2.60B	9
10	1.40B	1.78B	1.88B	2.15B	15.7	60.4	25.3	6.78	3.82	4.14	3.50B	2.66B	10
11	1.47B	1.89B	1.85	2.84	13.8	70.0	24.3	6.44	3.85	4.08	3.40B	2.70B	11
12	1.52B	1.74B	1.85B	3.55	16.7	77.2	23.0	6.86	3.86	4.04	3.30B	2.74B	12
13	1.62B	1.70B	1.81	3.82	23.8	86.2	21.5	6.87	4.05	3.96	3.28B	2.75B	13
14	1.70B	1.72B	1.86	3.76	34.3	91.0	22.5	6.26	3.86	3.92	3.26B	2.74B	14
15	1.79B	1.78B	1.89	3.38B	46.9	90.7	21.2	6.09	3.73	3.89	3.23B	2.70B	15
16	1.86B	1.88B	1.83	3.15B	57.4	90.0	19.6	5.85	3.66	3.85	3.16B	2.71B	16
17	1.89B	1.96B	1.82	3.07B	58.3	82.2	17.5	5.60	3.55	3.86	3.06B	2.72B	17
18	1.79B	2.10B	1.82B	2.82	65.0	75.2	16.1	5.34	3.47	3.97	2.96B	2.71B	18
19	1.70B	2.40B	1.82B	2.76	63.8	74.4	15.2	5.12	3.44	3.93	2.98B	2.64B	19
20	1.67B	2.70B	1.87B	2.70B	59.3	76.3	15.1	4.99	3.41	3.84	2.80B	2.55B	20
21	1.68B	2.96B	1.91	3.10B	62.9	76.8	14.6	4.86	3.36	3.79	2.74B	2.48B	21
22	1.64B	2.93B	1.95B	4.02	70.3	75.9	13.7	4.74	3.32	3.84	2.67B	2.44B	22
23	1.57B	2.84B	2.00B	5.32	75.8	71.0	12.9	4.68	3.24	5.23	2.65B	2.40B	23
24	1.57B	2.70B	1.96B	7.05	72.6	63.6	12.1	4.60	3.19	5.32	2.68B	2.38B	24
25	1.60B	2.43B	2.01B	6.38	81.1	61.5	11.4	4.45	3.15	5.09	2.70B	2.36B	25
26	1.75B	2.26B	2.15B	6.03	97.7	60.9	10.8	4.58	3.65	5.08	2.72B	2.34B	26
27	1.90B	2.30B	2.25B	6.69	80.3	61.8	10.2	4.51	4.24	5.06	2.75B	2.32B	27
28	1.94B	2.53B	2.37B	8.48	64.6	58.8	9.85	4.25	4.36	5.00	2.76B	2.29B	28
29	1.83B		2.28B	9.16	52.3	55.6	9.47	4.14	4.38	4.95	2.74B	2.26B	29
30	1.89B		2.30B	8.38	45.9	56.8	9.08	4.13	4.22	4.85	2.73B	2.24B	30
31	1.88B		2.12B		43.5		8.76	3.99		4.76		2.23B	31
TOTAL	51.05	57.73	60.02	117.90	1 392.5	2 074.3	685.76	182.75	112.06	135.23	103.61	79.05	TOTAL
MEAN	1.65	2.06	1.94	3.93	44.9	69.1	22.1	5.90	3.74	4.36	3.45	2.55	MEAN
MAX	1.94	2.96	2.37	9.16	97.7	91.0	54.0	8.55	4.42	5.32	5.00	2.75	MAX
MIN	1.38	1.60	1.67	2.13	11.0	45.1	8.76	3.99	3.15	3.79	2.65	2.23	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 97.7 ON MAY 26
MINIMUM DAILY, 1.38B ON JAN 9
MAXIMUM INSTANTANEOUS,
101 AT 11:20 MST ON MAY 26

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 20 N
LONG 114 08 40 W
DRAINAGE AREA, 826 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 410	JUL	59 200
FEB	4 990	AUG	15 800
MAR	5 190	SEP	9 680
APR	10 200	OCT	11 700
MAY	120 000	NOV	8 950
JUN	179 000	DEC	6 830

TOTAL DISCHARGE, 436 000 dam³

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.100B	0.125B	0.160B	0.146B	1.05 B	4.90	4.86	0.981	0.613	0.849	0.453B	0.225B	1
2	0.085B	0.120B	0.163B	0.155B	1.15 B	5.86	4.36	1.03	0.556	0.867	0.431B	0.206B	2
3	0.080B	0.120B	0.156B	0.156B	1.25 B	7.17	4.01	0.981	0.533	0.870	0.425B	0.199B	3
4	0.080B	0.110B	0.155B	0.161B	1.30 B	8.51	3.69	0.917	1.00	0.818	0.540B	0.204B	4
5	0.085B	0.115B	0.156B	0.164B	1.20 B	8.80	3.61	0.882	0.940	0.730	0.484B	0.203B	5
6	0.115B	0.110B	0.162B	0.162B	0.950B	7.76	3.26	0.836	0.743	0.754	0.420B	0.181B	6
7	0.120B	0.108B	0.158B	0.157B	0.858	6.26	3.06	0.810	0.645	0.757	0.360B	0.160B	7
8	0.103B	0.105B	0.160B	0.157B	0.760	6.00	2.91	0.776	0.605	0.701	0.319B	0.140B	8
9	0.104B	0.110B	0.162B	0.155B	0.621	7.18	2.74	0.784	0.569	0.600	0.306B	0.128B	9
10	0.105B	0.120B	0.161B	0.154B	0.650B	8.43	2.58	0.786	0.609	0.671	0.315B	0.134B	10
11	0.108B	0.115B	0.160B	0.162B	0.700B	9.65	2.40	0.735	0.592	0.647	0.328B	0.148B	11
12	0.112B	0.130B	0.162B	0.178B	0.850B	10.4	2.26	0.741	0.578	0.631	0.328B	0.156B	12
13	0.122B	0.138B	0.160B	0.192B	1.10 B	11.3	2.24	0.786	0.621	0.625	0.330B	0.164B	13
14	0.121B	0.145B	0.163B	0.201B	1.46	11.9	2.23	0.875	0.588	0.625	0.330B	0.206B	14
15	0.120B	0.157B	0.165B	0.204B	2.20	11.4	2.13	0.752	0.608	0.616	0.328B	0.208B	15
16	0.110B	0.170B	0.164B	0.211B	2.77	11.1	2.07	0.695	0.704	0.608	0.312B	0.200B	16
17	0.105B	0.180B	0.164B	0.211B	3.12	9.90	1.94	0.667	0.647	0.634	0.297B	0.191B	17
18	0.100B	0.185B	0.172B	0.210B	3.68	9.02	1.82	0.644	0.610	0.546B	0.288B	0.197B	18
19	0.095B	0.180B	0.175B	0.204B	3.30	8.77	1.75	0.633	0.569	0.434B	0.295B	0.196B	19
20	0.090B	0.175B	0.174B	0.202B	3.34	8.56	1.86	0.626	0.546	0.539B	0.293B	0.191B	20
21	0.095B	0.172B	0.174B	0.228B	3.67	8.16	1.66	0.620	0.549	0.589	0.307B	0.187B	21
22	0.100B	0.159B	0.179B	0.384B	4.30	7.73	1.54	0.602	0.586	0.647	0.323B	0.184B	22
23	0.102B	0.156B	0.177B	0.633B	4.97	7.05	1.44	0.668	0.545	0.869	0.307B	0.176B	23
24	0.108B	0.164B	0.178B	0.531B	4.91	6.25	1.40	0.664	0.522	0.730	0.290B	0.168B	24
25	0.115B	0.172B	0.176B	0.477B	6.91	5.70	1.32	0.626	0.509	0.665	0.263B	0.175B	25
26	0.125B	0.166B	0.179B	0.530B	5.91	5.28	1.27	0.849	1.08	0.640	0.266B	0.163B	26
27	0.133B	0.165B	0.175B	0.595B	3.91	5.54	1.21	0.796	1.01	0.611	0.270B	0.142B	27
28	0.120B	0.161B	0.159B	0.826B	3.23	4.91	1.17	0.696	0.911	0.562B	0.236B	0.139B	28
29	0.115B		0.156B	0.900B	2.90	4.74	1.12	0.663	0.883	0.495B	0.237B	0.139B	29
30	0.120B		0.153B	1.00 B	2.88	5.40	1.06	0.716	0.810	0.419B	0.236B	0.145B	30
31	0.125B		0.149B		3.58		0.963	0.720		0.449B		0.140B	31
TOTAL	3.318	4.041	5.107	9.646	79.479	233.63	69.933	23.557	20.281	20.198	9.917	5.395	TOTAL
MEAN	0.107	0.144	0.165	0.322	2.56	7.79	2.26	0.760	0.676	0.652	0.331	0.174	MEAN
MAX	0.133	0.185	0.179	1.00	6.91	11.9	4.86	1.03	1.08	0.870	0.540	0.225	MAX
MIN	0.080	0.105	0.149	0.146	0.621	4.74	0.963	0.602	0.509	0.419	0.236	0.128	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.33
MAXIMUM DAILY, 11.9 ON JUN 14
MINIMUM DAILY, 0.080B ON JAN 3
MAXIMUM INSTANTANEOUS,
13.8 AT 20:43 MST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 04 N
LONG 114 35 25 W
DRAINAGE AREA, 166 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	287	JUL	6 040
FEB	349	AUG	2 040
MAR	441	SEP	1 750
APR	833	OCT	1 750
MAY	6 870	NOV	857
JUN	20 200	DEC	466

TOTAL DISCHARGE, 41 900 dam³

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0 B	0.415B	0 E	2.17	0 E	0	0A	0	---	---	1
2	---	0 B	0 B	0.275B	0 E	3.80	0 E	0	0	0	---	---	2
3	---	0 B	0 B	0.190B	0 E	2.66	0 E	0.004	0	0	---	---	3
4	---	0 B	0 B	0.135B	0 E	0.057	0 E	0.001	0	0	---	---	4
5	---	0 B	0 B	0.076B	0 E	0.629	0 E	0.002	0	0	---	---	5
6	---	0 B	0 B	0.045B	0 E	0.535	0 E	0	0	0	---	---	6
7	---	0 B	0.015B	0.035B	0 E	0.341	0 E	0	0	0	---	---	7
8	---	0 B	0.045B	0.120B	0 E	0.204	0 E	0	0	0	---	---	8
9	---	0 B	0.115B	0.035B	0 E	0.126	0 E	0.003	0	0	---	---	9
10	---	0 B	0.210B	0.135B	0 E	0.068	0 E	0.003	0	0	---	---	10
11	---	0 B	1.25 B	0.275B	0 E	0.051E	0 E	0.004	0	0	---	---	11
12	---	0 B	1.83 B	3.46 B	0 E	0.045E	0 E	0.001	0	0	---	---	12
13	---	0 B	1.25 B	4.15	0 E	0.030E	0 E	0.002	0	0	---	---	13
14	---	0 B	1.86 B	3.98	0 E	0.022E	0 E	0.002	0	0	---	---	14
15	---	0 B	2.15 B	1.80	0 E	0.015E	0 E	0.002	0	0	---	---	15
16	---	0 B	0.500B	0.673	0 E	0.102E	0 E	0.005	0	0	---	---	16
17	---	0 B	0.250B	0.401	0 E	0.145E	0 E	0	0	0	---	---	17
18	---	0.035B	0.140B	0.339	0 E	0.120E	0 E	0	0	0	---	---	18
19	---	0.350B	0.090B	0.230	0 E	0.075E	0 E	0	0	0	---	---	19
20	---	1.05 B	0.080B	0.166	0.110	0.051E	0 E	0	0	0	---	---	20
21	---	0.750B	0.110B	0.055E	0.621	0.038A	0 E	0	0	0	---	---	21
22	---	0.510B	0.140B	0.160E	0.231	0.022E	0 E	0	0	0	---	---	22
23	---	0.366B	0.080B	0.432	0.096	0.017E	0 E	0	0	0	---	---	23
24	---	0.170B	0.020B	0.373	0.050E	0.010E	0 E	0	0	0	---	---	24
25	---	0.067B	0.150B	0.282	0.040E	0.005E	0	0	0	0	---	---	25
26	---	0.035B	0.365B	0.175	0.025E	0 E	0.002	0	0	0A	---	---	26
27	---	0.025B	0.545B	0.055E	0.047A	0 E	0	0	0A	0	---	---	27
28	---	0.075B	0.695B	0.040E	0.005	0 E	0.002	0	0	0	---	---	28
29	---		1.25 B	0 E	0.275	0 E	0.002	0	0	0	---	---	29
30	---		1.40 B	0 E	0.239	0 E	0.001	0	0	0	---	---	30
31	---		0.715B		0.411		0	0		0		---	31
TOTAL	---	3.413	15.255	18.507	2.150	11.338	0.007	0.029	0	0	---	---	TOTAL
MEAN	---	0.122	0.492	0.617	0.069	0.378	0	0.001	0	0	---	---	MEAN
MAX	---	1.05	2.15	4.15	0.621	3.80	0.002	0.005	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 4.15 ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 50 N
LONG 118 28 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	295	AUG	2.51
MAR	1 320	SEP	0
APR	1 600	OCT	0
MAY	186	NOV	---
JUN	980	DEC	---

TOTAL DISCHARGE, 4 090 dam³

CHAIN LAKES RESERVOIR NEAR NANTON - STATION NO. 05AB037

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	1.540	1.398	1.223	1.209	1.117	---	1
2	---	---	---	---	---	---	1.524	1.393	1.216	1.211	1.107A	---	2
3	---	---	---	---	---	---	1.504	1.383	1.213	1.214	---	---	3
4	---	---	---	---	---	0.770A	1.486	1.376	1.210	1.214	---	---	4
5	---	---	---	---	---	0.828	1.479	1.370	1.217	1.214	---	---	5
6	---	---	---	---	---	0.957	1.473	1.365	1.213	1.218	---	---	6
7	---	---	---	---	---	1.107	1.464	1.357	1.210	1.216	---	---	7
8	---	---	---	---	---	1.243	1.460	1.351	1.204	1.217	---	---	8
9	---	---	---	---	---	1.368	1.466	1.345	1.196	1.217	---	---	9
10	---	---	---	---	---	1.486	1.469	1.339	1.191	1.217	---	---	10
11	---	---	---	---	---	1.561	1.463	1.336	1.183	1.216	---	---	11
12	---	---	---	---	---	1.590	1.459	1.327	1.179	1.213	---	---	12
13	---	---	---	---	---	1.592	1.456	1.319	1.181	1.214	---	---	13
14	---	---	---	---	---	1.582	1.455	1.312	1.180	1.213	---	---	14
15	---	---	---	---	---	1.569	1.450	1.301	1.186	1.209	---	---	15
16	---	---	---	---	---	1.558	1.445	1.294	1.186	1.209	---	---	16
17	---	---	---	---	---	1.545	1.443	1.287	1.181	1.212	---	---	17
18	---	---	---	---	---	1.530	1.440	1.281	1.180	1.210	---	---	18
19	---	---	---	---	---	1.519	1.436	1.275	1.171	1.206	---	---	19
20	---	---	---	---	---	1.510	1.433	1.269	1.166	1.206	---	---	20
21	---	---	---	---	---	1.501	1.427	1.264	1.162	1.206	---	---	21
22	---	---	---	---	---	1.503	1.423	1.255	1.161	1.201	---	---	22
23	---	---	---	---	---	1.505	1.418	1.256	1.157	1.200	---	---	23
24	---	---	---	---	---	1.501	1.416	1.248	1.152	1.202	---	---	24
25	---	---	---	---	---	1.496	1.416	1.244	1.148	1.199	---	---	25
26	---	---	---	---	---	1.487	1.415	1.246	1.172	1.194	---	---	26
27	---	---	---	---	---	1.492	1.414	1.247	1.179	1.192	---	---	27
28	---	---	---	---	---	1.506	1.410	1.245	1.193	1.177	---	---	28
29	---		---	---	---	1.515	1.407	1.236	1.205	1.162	---	---	29
30	---		---	---	---	1.542	1.405	1.234	1.203	1.145	---	---	30
31	---		---		---		1.404	1.229		1.128		---	31
MEAN	---	---	---	---	---	---	1.488	1.303	1.188	1.202	---	---	MEAN
MAX	---	---	---	---	---	---	1.540	1.398	1.223	1.217	---	---	MAX
MIN	---	---	---	---	---	---	1.404	1.229	1.148	1.128	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 1.592 ON JUN 13

MAXIMUM INSTANTANEOUS,
1.597 AT 17:00 MST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 37 N
LONG 114 11 55 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 1295.616 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES - STATION NO. 07KF001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	208.750	209.158	208.822	208.682	---	---	1
2	---	---	---	---	---	---	208.766	209.182	208.891	208.738	---	---	2
3	---	---	---	---	---	---	208.821	209.146	208.849	208.745	---	---	3
4	---	---	---	---	---	---	208.900	209.038	208.873	208.680	---	---	4
5	---	---	---	---	---	---	208.801	208.900	208.857	208.639	---	---	5
6	---	---	---	---	---	---	208.768	208.923	208.836	208.647	---	---	6
7	---	---	---	---	---	---	208.698	208.904	208.614	208.694	---	---	7
8	---	---	---	---	---	---	208.717	208.936	208.758	208.681	---	---	8
9	---	---	---	---	---	---	208.685	209.014	208.821	208.670	---	---	9
10	---	---	---	---	---	---	208.774	209.072	208.882	208.684	---	---	10
11	---	---	---	---	---	---	208.832	209.069	208.542	208.516	---	---	11
12	---	---	---	---	---	---	208.860	209.025	208.887	208.660	---	---	12
13	---	---	---	---	---	---	208.880	208.929	208.846	---	---	---	13
14	---	---	---	---	---	---	208.809	208.923	208.925	208.648	---	---	14
15	---	---	---	---	---	208.809	208.713	208.945	208.994	208.793	---	---	15
16	---	---	---	---	---	208.760	208.943	208.989	208.829	---	---	---	16
17	---	---	---	---	---	208.694	208.887	208.958	208.791	---	---	---	17
18	---	---	---	---	---	208.636	208.786	208.878	208.829	---	---	---	18
19	---	---	---	---	---	208.625	208.749	208.852	208.816	---	---	---	19
20	---	---	---	---	---	208.691	208.774	208.890	208.814	---	---	---	20
21	---	---	---	---	---	208.625	---	208.894	208.809	---	---	---	21
22	---	---	---	---	---	208.544	---	208.861	208.826	---	---	---	22
23	---	---	---	---	---	208.745	---	208.866	208.814	---	---	---	23
24	---	---	---	---	---	208.747	---	208.826	208.779	---	---	---	24
25	---	---	---	---	---	208.763	---	208.783	208.786	---	---	---	25
26	---	---	---	---	---	208.772	---	208.822	208.817	---	---	---	26
27	---	---	---	---	---	208.799	208.985	208.903	208.800	---	---	---	27
28	---	---	---	---	---	208.808	209.005	208.909	208.804	---	---	---	28
29	---		---	---	---	208.810	209.053	208.887	208.769	---	---	---	29
30	---		---	---	---	208.688	209.013	208.867	208.713	---	---	---	30
31	---		---		---		209.078	208.821		---		---	31
MEAN	---	---	---	---	---	---	---	208.943	208.797	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	209.182	208.891	---	---	---	MAX
MIN	---	---	---	---	---	---	---	208.783	208.542	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 50 N
LONG 111 17 20 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.235B	0.175B	0.095B	0.130B	60.0B	29.0 E	3.09	1.69	6.58	3.05	1.94 B	0.770B	1
2	0.233B	0.170B	0.097B	0.121B	158 B	26.0 E	2.87	1.77	6.06	2.95	2.00 B	0.730B	2
3	0.231B	0.175B	0.097B	0.111B	186	23.0 E	2.78	2.33	5.76	2.81	1.53 B	0.690B	3
4	0.210B	0.180B	0.095B	0.117B	209	21.0 E	2.71	2.74	5.68	2.76	1.64 B	0.640B	4
5	0.194B	0.180B	0.095B	0.132B	302	18.5 E	2.57	2.88	5.67	2.72	1.31 B	0.600B	5
6	0.192B	0.170B	0.098B	0.135B	309	17.0 E	2.53	2.82	5.70	2.68	1.16 B	0.610B	6
7	0.190B	0.158B	0.096B	0.150B	268	15.0 E	2.46	2.87	6.53	2.65	1.06 B	0.640B	7
8	0.190B	0.153B	0.098B	0.170B	244	13.5 E	2.37	2.76	6.46	2.71	0.957B	0.661B	8
9	0.194B	0.150B	0.100B	0.200B	226	12.0 E	2.22	2.57	6.09	2.62	1.01 B	0.669B	9
10	0.198B	0.146B	0.101B	0.235B	214	11.0 E	2.12	3.68	5.98	2.58	1.02 B	0.654B	10
11	0.200B	0.130B	0.102B	0.250B	202	9.70E	1.97	9.54	5.90	2.60	0.998B	0.646B	11
12	0.205B	0.100B	0.104B	0.259B	204	9.20E	2.01	7.77	5.27	2.62	0.947B	0.623B	12
13	0.210B	0.090B	0.107B	0.263B	207	8.80E	2.02	6.82	4.95	2.89	0.918B	0.640B	13
14	0.215B	0.080B	0.109B	0.270B	205	8.30E	1.87	6.25	4.55	3.16	0.886B	0.613B	14
15	0.220B	0.080B	0.112B	0.280B	231	7.90E	1.72	6.03	4.27	3.26	0.722B	0.618B	15
16	0.215B	0.085B	0.113B	0.293B	249	7.50E	1.66	6.20	4.03	3.31	0.685B	0.619B	16
17	0.210B	0.095B	0.117B	0.307B	246	7.10E	1.64	5.87	3.82	3.38	0.654B	0.627B	17
18	0.200B	0.105B	0.119B	0.317B	243	6.70E	1.67	5.39	3.64	3.41	0.617B	0.636B	18
19	0.180B	0.110B	0.118B	0.327B	237	6.30E	1.90	4.83	3.56	2.85	0.617B	0.635B	19
20	0.165B	0.105B	0.165B	0.337B	228	5.90E	1.75	4.53	3.65	2.83	0.631B	0.602B	20
21	0.140B	0.090B	0.200B	0.344B	212	5.71A	1.70	4.89	3.62	2.74	0.734B	0.593B	21
22	0.110B	0.081B	0.173B	0.351B	195	5.43	1.80	5.75	3.52	3.62	0.792B	0.585B	22
23	0.105B	0.083B	0.185B	0.390B	172	4.94	1.90	6.66	3.69	3.46	0.808B	0.585B	23
24	0.108B	0.085B	0.201B	0.540B	145	4.80	1.84	8.02	3.82	4.02	0.796B	0.578B	24
25	0.124B	0.087B	0.215B	0.880B	121	4.79	1.80	8.13	3.75	4.05	0.774B	0.585B	25
26	0.128B	0.088B	0.230B	1.37 B	102	4.39	1.78	8.82	3.56	4.41	0.747B	0.593B	26
27	0.128B	0.092B	0.225B	1.80 B	88.2A	3.99	1.82	9.53	3.44	3.96	0.725B	0.593B	27
28	0.131B	0.094B	0.210B	2.56 B	81.6E	3.70	1.74	9.68	3.39	4.06	0.715B	0.600B	28
29	0.144B		0.190B	5.48 B	38.3E	3.44	1.68	8.61	3.28	2.52	0.796B	0.600B	29
30	0.163B		0.170B	8.80 B	35.0E	3.24	1.69	7.84	3.11	2.65B	0.800B	0.600B	30
31	0.184B		0.145B		31.0E		1.68	7.28		2.44B		0.521B	31
TOTAL	5.552	3.337	4.282	26.919	5 629.1	307.83	63.36	174.55	139.33	95.75	28.989	19.356	TOTAL
MEAN	0.179	0.119	0.138	0.897	182	10.3	2.04	5.63	4.64	3.09	0.966	0.624	MEAN
MAX	0.235	0.180	0.230	8.80	309	29.0	3.09	9.68	6.58	4.41	2.00	0.770	MAX
MIN	0.105	0.080	0.095	0.111	31.0	3.24	1.68	1.69	3.11	2.44	0.617	0.521	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.8
MAXIMUM DAILY, 309 ON MAY 6
MINIMUM DAILY, 0.080B ON FEB 14
MAXIMUM INSTANTANEOUS,
328 AT 20:45 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 35 48 N
LONG 118 20 00 W
DRAINAGE AREA, 10 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	480	JUL 5	470
FEB	288	AUG 15	100
MAR	370	SEP 12	000
APR 2	330	OCT 8	270
MAY	486 000	NOV 2	500
JUN 26	600	DEC 1	670

TOTAL DISCHARGE, 561 000 dam³

CHIP LAKE AT OUTLET TO LOBSTICK RIVER - STATION NO. 07BB008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	788.289	788.298	788.176	788.920	788.612	788.502	---	---	1
2	---	---	---	---	788.301	788.323	788.204	788.926E	788.609	788.496E	---	---	2
3	---	---	---	---	788.319	788.298	788.286	788.932	788.600	788.487	---	---	3
4	---	---	---	---	788.323	788.289	788.368	788.835	788.588	788.487	---	---	4
5	---	---	---	---	788.323E	788.298	788.402	788.816	788.615	788.466	---	---	5
6	---	---	---	---	788.335E	788.292	788.542	788.819	788.615	788.463	---	---	6
7	---	---	---	---	788.347	788.283	788.615	788.780	788.615	788.505	---	---	7
8	---	---	---	---	788.347E	788.280	788.697	788.761	788.621	788.463	---	---	8
9	---	---	---	---	788.350	788.280	788.697	788.731	788.679	788.441	---	---	9
10	---	---	---	---	788.313	788.268	788.713	788.758	788.682	788.441	---	---	10
11	---	---	---	---	788.365	788.277	788.713	788.761	788.649	788.441	---	---	11
12	---	---	---	---	788.393	788.262	788.731	788.743	788.618	788.441	---	---	12
13	---	---	---	---	788.368	788.259	788.697	788.725	788.591	788.441	---	---	13
14	---	---	---	---	788.402	788.259	788.786	788.728	788.572	788.438	---	---	14
15	---	---	---	---	788.380	788.252	788.856	788.716	788.588	788.432	---	---	15
16	---	---	---	787.990	788.359	788.246	788.886	788.688	788.579	788.426	---	---	16
17	---	---	---	---	788.347	788.228	788.908	788.697	788.572	788.460	---	---	17
18	---	---	---	---	788.362	788.219	788.932	788.691	788.560	788.460	---	---	18
19	---	---	---	---	788.387	788.210	788.938	788.682	788.548	788.414	---	---	19
20	---	---	---	---	788.341	788.207	788.935	788.676	788.554	788.408	---	---	20
21	---	---	---	---	788.347	788.198	788.896	788.697	788.551	788.402	---	---	21
22	---	---	---	---	788.405	788.204	788.953	788.670	788.551	788.399	---	---	22
23	---	---	---	---	788.359	788.185	788.957	788.633	788.533	788.399	---	---	23
24	---	---	---	---	788.359	788.185	788.932	788.670	788.530	788.393	---	---	24
25	---	---	---	---	788.374	788.170	788.911	788.630	788.521	788.393	---	---	25
26	---	---	---	---	788.365	788.173	788.893	788.621	788.518	788.383	---	---	26
27	---	---	---	---	788.347	788.152	788.929	788.621	788.490	788.377	---	---	27
28	---	---	---	---	788.347	788.158	788.908	788.618E	788.512	788.383	---	---	28
29	---		---	---	788.338	788.140	788.911	788.615	788.508	788.399	---	---	29
30	---		---	---	788.323	788.170	788.902	788.621	788.499	788.377	---	---	30
31	---		---		788.319		788.865	788.640		788.365		---	31
MEAN	---	---	---	---	788.349	788.235	788.746	788.723	788.576	788.432	---	---	MEAN
MAX	---	---	---	---	788.405	788.323	788.957	788.932	788.682	788.505	---	---	MAX
MIN	---	---	---	---	788.289	788.140	788.176	788.615	788.490	788.365	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 788.957 ON JUL 23

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 11 N
LONG 115 15 10 W

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	26.8	6.48	12.4	17.6	8.48	---	---	1
2	---	---	---	---	---	25.0	6.57	14.1	16.9	8.33	---	---	2
3	---	---	---	---	---	23.7	7.37	18.5	16.2	8.28	---	---	3
4	---	---	---	---	---	22.2	9.27	22.3	15.4	8.10	---	---	4
5	---	---	---	---	---	21.5	12.0	26.5	14.5	7.95	---	---	5
6	---	---	---	---	---	21.2	13.3	29.4	14.0	7.83	---	---	6
7	---	---	---	---	---	20.7	13.4	30.0	13.4	7.79	---	---	7
8	---	---	---	---	---	20.4	12.9	29.5	12.9	7.59	---	---	8
9	---	---	---	---	---	19.2	12.1	28.9	12.7	7.43	---	---	9
10	---	---	---	---	---	18.2	11.1	27.5	12.7	7.32	---	---	10
11	---	---	---	---	---	17.1	10.2	25.8	12.8	7.00	---	---	11
12	---	---	---	---	---	16.1	9.70	26.6	13.1	7.09	---	---	12
13	---	---	---	---	---	15.5	9.47	27.2	13.3	6.96	---	---	13
14	---	---	---	---	---	14.4	9.10	26.1	13.1	6.97	---	---	14
15	---	---	---	---	---	13.9	8.88	24.7	13.0	6.75	---	---	15
16	---	---	---	---	---	13.7	9.17	23.8	12.9	6.77	---	---	16
17	---	---	---	---	---	12.9	10.4	23.0	12.6	6.62	---	---	17
18	---	---	---	---	---	12.2	11.8	21.8	12.2	6.56	---	---	18
19	---	---	---	---	---	12.0	12.7	20.6	11.9	6.53	---	---	19
20	---	---	---	---	31.0A	10.9	12.9	19.1	11.5	6.13B	---	---	20
21	---	---	---	---	30.0	10.3	12.6	18.3	11.3	5.80B	---	---	21
22	---	---	---	---	28.8	9.52	12.6	17.8	11.0	5.47B	---	---	22
23	---	---	---	---	28.5	8.88	13.3	17.1	10.5	5.14B	---	---	23
24	---	---	---	---	29.5	8.26	14.2	17.2	10.2	4.81B	---	---	24
25	---	---	---	---	30.5	8.04	14.1	17.8	9.87	4.48B	---	---	25
26	---	---	---	---	32.3	7.67	14.3	18.1	9.67	4.15B	---	---	26
27	---	---	---	---	32.3	7.36	14.5	18.0	9.32	3.82B	---	---	27
28	---	---	---	---	31.9	7.02	14.2	18.2	9.14	3.49B	---	---	28
29	---		---	---	30.9	6.60	13.6	18.3	9.02	3.16B	---	---	29
30	---		---	---	29.6	6.42	13.2	18.2	8.79	2.82B	---	---	30
31	---		---		28.5		12.7	17.9		2.50B		---	31
TOTAL	---	---	---	---	---	437.67	358.11	674.7	371.51	192.10	---	---	TOTAL
MEAN	---	---	---	---	---	14.6	11.6	21.8	12.4	6.20	---	---	MEAN
MAX	---	---	---	---	---	26.8	14.5	30.0	17.6	8.48	---	---	MAX
MIN	---	---	---	---	---	6.42	6.48	12.4	8.79	2.50	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 50 20 N
LONG 110 52 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30 900
FEB	---	AUG	58 300
MAR	---	SEP	32 100
APR	---	OCT	16 600
MAY	---	NOV	---
JUN	37 800	DEC	---

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.012B	3.69 B	0.230	0.454	0.937	1.85	0.344	0.296	---	1
2	---	---	0.010B	0.012B	4.09 B	0.178	0.510	1.40	1.67	0.341	0.246A	---	2
3	---	---	0.010B	0.012B	4.63	0.138	0.666	2.75	1.39	0.340	---	---	3
4	---	---	0.010B	0.013B	4.56	0.094	1.30	3.12	1.16	0.308	---	---	4
5	---	---	0.010B	0.014B	4.43	0.092	2.53	3.26	1.11	0.304	---	---	5
6	---	---	0.010B	0.015B	3.99	0.080	2.47	2.79	1.17	0.291	---	---	6
7	---	---	0.010B	0.016B	3.75	0.078	2.47	2.29	1.10	0.289	---	---	7
8	---	---	0.010B	0.022B	3.44	0.055	2.25	1.81	0.990	0.280	---	---	8
9	---	---	0.010B	0.025B	3.01	0.060	1.74	1.49	0.907	0.282	---	---	9
10	---	---	0.010B	0.028B	2.59	0.049	1.52	1.18	0.811	0.282	---	---	10
11	---	---	0.011B	0.036B	2.33	0.064	1.36	1.04	0.741	0.253	---	---	11
12	---	---	0.011B	0.041B	2.24	0.064	1.25	1.20	0.665	0.255	---	---	12
13	---	---	0.012B	0.047B	1.92	0.038	1.16	1.35	0.643	0.256	---	---	13
14	---	---	0.014B	0.054B	1.72	0.027	1.17	1.26	0.593	0.252	---	---	14
15	---	---	0.015B	0.061B	1.70	0.026	2.01	1.06	0.602	0.242	---	---	15
16	---	---	0.016B	0.069B	1.55	0.033	3.82	1.11	0.610	0.264	---	---	16
17	---	---	0.016B	0.078B	1.55	0.069	3.48	1.27	0.585	0.272	---	---	17
18	---	---	0.016B	0.094B	1.69	0.062	2.99	1.39	0.509	0.287	---	---	18
19	---	---	0.017B	0.113B	2.44	0.067	2.63	1.28	0.448	0.296	---	---	19
20	---	---	0.017B	0.148B	4.29	0.079	2.27	1.14	0.408	0.307	---	---	20
21	---	---	0.018B	0.234B	4.72	0.086	1.95	1.00	0.387	0.307	---	---	21
22	---	---	0.019B	0.347B	3.11	0.096	2.02	1.11	0.407	0.305	---	---	22
23	---	---	0.019B	1.17 B	2.37	0.101	2.34	1.52	0.380	0.308	---	---	23
24	---	---	0.018B	2.96 B	1.92	0.106	2.41	1.58	0.348	0.309	---	---	24
25	---	---	0.018B	2.96 B	1.53	0.150	2.20	1.56	0.349	0.308	---	---	25
26	---	---	0.018B	3.02 B	1.21	0.186	2.09	1.62	0.341	0.313	---	---	26
27	---	---	0.017B	3.01 B	0.931	0.206	2.00	1.69	0.351	0.316	---	---	27
28	---	---	0.016B	3.24 B	0.687	0.266	1.70	1.68	0.320	0.319	---	---	28
29	---		0.015B	3.85 B	0.520	0.311	1.46	1.73	0.310	0.309	---	---	29
30	---		0.014B	3.79 B	0.419	0.353	1.27	1.73	0.353	0.320	---	---	30
31	---		0.013B		0.292		1.05	1.83		0.303		---	31
TOTAL	---	---	0.430	25.491	77.299	3.440	58.548	50.177	21.516	9.160	---	---	TOTAL
MEAN	---	---	0.014	0.850	2.49	0.115	1.89	1.62	0.717	0.295	---	---	MEAN
MAX	---	---	0.019	3.85	4.72	0.353	3.82	3.26	1.85	0.344	---	---	MAX
MIN	---	---	0.010	0.012	0.292	0.026	0.454	0.937	0.318	0.242	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 4.72 ON MAY 21
MINIMUM DAILY, 0.010B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.29 AT 23:10 MST ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 40 N
LONG 115 19 58 W

DRAINAGE AREA, 625 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 060
FEB	---	AUG	4 340
MAR	37.2	SEP	1 860
APR	2 200	OCT	791
MAY	6 680	NOV	---
JUN	297	DEC	---

TOTAL DISCHARGE, 21 300 dam³

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	24.1	2.93	0.182	0.197	1.64	0.198	---	---	1
2	---	---	0B	0 B	22.7	2.52	0.170	0.314	1.39	0.193	---	---	2
3	---	---	0B	0 B	21.6	2.23	0.201	0.727	1.07	0.208	---	---	3
4	---	---	0B	0 B	21.0	2.20	0.239	5.80	0.817	0.220	---	---	4
5	---	---	0B	0 B	18.0	2.15	0.260	9.94	0.721	0.221	---	---	5
6	---	---	0B	0 B	18.4	2.00	0.402	7.68	0.641	0.226	---	---	6
7	---	---	0B	0 B	20.0	1.76	0.523	5.71	0.564	0.237	---	---	7
8	---	---	0B	0 B	21.1	1.50	0.475	4.70	0.535	0.252	---	---	8
9	---	---	0B	0 B	21.1	1.27 E	0.439	3.76	0.493	0.263	---	---	9
10	---	---	0B	0 B	21.7	1.12 E	0.391	3.07	0.467	0.279	---	---	10
11	---	---	0B	0 B	22.1	0.970E	0.335	2.48	0.451	0.315	---	---	11
12	---	---	0B	0 B	21.6	0.845E	0.289	2.00	0.425	0.353	---	---	12
13	---	---	0B	0 B	22.9	0.730E	0.244	1.73	0.412	0.360	---	---	13
14	---	---	0B	0 B	22.2	0.638E	0.210	1.75	0.418	0.360	---	---	14
15	---	---	0B	0 B	22.3	0.580E	0.182	1.78	0.418	0.369	---	---	15
16	---	---	0B	0 B	21.6	0.570E	0.159	1.93	0.425	0.392	---	---	16
17	---	---	0B	0.002B	20.6	0.540E	0.144	2.22	0.388	0.426	---	---	17
18	---	---	0B	0.050B	20.8	0.485E	0.129	2.09	0.365	0.392B	---	---	18
19	---	---	0B	0.491B	21.6	0.428E	0.118	1.77	0.342	0.468B	---	---	19
20	---	---	0B	0.536B	17.9	0.375E	0.134	1.50	0.318	0.498B	---	---	20
21	---	---	0B	0.965B	15.0	0.317A	0.135	1.34	0.301	0.528B	---	---	21
22	---	---	0B	3.47 B	13.0	0.302	0.167	1.22	0.279	0.499	---	---	22
23	---	---	0B	19.6 B	11.1	0.273	0.184	1.17	0.266	0.485	---	---	23
24	---	0B	0B	31.9	9.31	0.247	0.192	1.51	0.252	0.498	---	---	24
25	---	0B	0B	27.8	7.99	0.235	0.252	1.71	0.241	0.482	---	---	25
26	---	0B	0B	28.2	7.03	0.215	0.301	1.85	0.229	0.485	---	---	26
27	---	0B	0B	25.3	5.92	0.206	0.292	2.44	0.217	0.491	---	---	27
28	---	0B	0B	23.1	5.03	0.189	0.283	2.34	0.223	0.494A	---	---	28
29	---	---	0B	24.0	4.35	0.180	0.252	2.53	0.218	0.490E	---	---	29
30	---	---	0B	24.6	3.77	0.188	0.230	2.32	0.213	0.485E	---	---	30
31	---		0B		3.19		0.216	1.94		0.480E		---	31
TOTAL	---	---	0	210.014	508.98	28.193	7.730	81.518	14.737	11.647	---	---	TOTAL
MEAN	---	---	0	7.00	16.4	0.940	0.249	2.63	0.491	0.376	---	---	MEAN
MAX	---	---	0	31.9	24.1	2.93	0.523	9.94	1.64	0.528	---	---	MAX
MIN	---	---	0	0	3.19	0.188	0.118	0.197	0.213	0.193	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.52
MAXIMUM DAILY, 31.9 ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
46.3 AT 00:30 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 18 20 N
LONG 119 40 50 W
DRAINAGE AREA, 2 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	668
FEB	---	AUG	7 080
MAR	0	SEP	1 270
APR	18 100	OCT	1 010
MAY	44 000	NOV	---
JUN	2 440	DEC	---

TOTAL DISCHARGE, 74 500 dam³

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.5B	29.0B	26.0B	28.0B	225E	114	63.0	84.6	72.9	69.4	63.0B	47.0B	1
2	36.5B	29.0B	26.0B	28.5B	220E	111	62.1	83.3	71.4	68.7	62.0B	46.0B	2
3	36.0B	28.5B	26.0B	29.0B	215E	107	62.6	82.1	70.7	68.2	61.0B	46.0B	3
4	36.0B	28.5B	26.0B	29.5B	210E	105	64.3	82.0	69.3	68.1	60.0B	46.0B	4
5	36.0B	28.0B	26.0B	30.0B	205E	104	66.4	81.1	69.7	67.4	59.0B	46.0B	5
6	35.5B	28.0B	26.0B	30.5B	200E	100	69.4	80.3	69.6	66.9	58.0B	47.0B	6
7	35.5B	27.5B	26.0B	31.0B	195E	97.8	69.4	81.3	69.6	66.4	57.0B	47.0B	7
8	35.5B	27.5B	26.0B	31.5B	185E	95.6	68.4	81.3	68.5	66.4	57.0B	47.0B	8
9	35.0B	27.0B	26.0B	32.0B	180E	93.6	67.8	83.1	70.0	66.0	56.0B	47.0B	9
10	35.0B	27.0B	26.0B	32.5B	175E	92.3	66.7	87.4	71.7	65.4	55.0B	47.0B	10
11	34.5B	26.5B	25.5B	33.0B	170E	91.5	65.0	90.7	72.9	65.5	55.0B	47.0B	11
12	34.5B	26.5B	25.5B	33.5B	170E	90.0	65.4	91.6	74.0	65.4	54.0B	48.0B	12
13	34.0B	26.5B	25.0B	34.0B	165E	89.4	69.2	89.8	77.0	65.5	54.0B	48.0B	13
14	34.0B	26.5B	25.0B	34.5B	160E	88.5	69.8	88.0	79.6	66.0	53.0B	49.0B	14
15	34.0B	26.5B	25.0B	35.5B	155E	87.0	69.2	85.8	78.6	65.4	53.0B	49.0B	15
16	34.0B	26.5B	25.0B	36.0B	150E	85.0	68.7	84.1	79.2	65.5	52.0B	50.9B	16
17	34.0B	26.5B	25.0B	36.0B	145E	83.4	68.4	83.4	79.3	66.8	52.0B	49.0B	17
18	34.0B	25.9B	25.0B	36.0B	140E	81.0	69.2	85.5	78.3	66.8	51.0B	48.0B	18
19	33.5B	25.5B	25.0B	36.0B	138E	79.5	69.6	84.3	77.2	67.2	50.0B	47.0B	19
20	33.5B	25.5B	25.5B	36.0B	135E	77.6	71.3	81.2	76.3	66.9	49.0B	44.0B	20
21	33.0B	25.0B	25.5B	36.5B	133A	75.7	71.8	79.1	75.1	66.3	49.0B	44.0B	21
22	32.5B	25.0B	25.5B	37.5B	130	74.6	74.7	77.8	74.0	66.6	49.0B	43.0B	22
23	32.5B	25.0B	25.5B	39.5B	128	72.5	78.1	77.5	73.6	68.2	48.0B	42.0B	23
24	32.0B	25.0B	26.0B	43.0B	125	70.4	82.0	76.1	72.8	67.0	48.0B	41.0B	24
25	31.5B	25.0B	26.0B	52.0B	122	69.4	87.4	74.1	71.9	66.9	48.0B	40.0B	25
26	31.0B	25.0B	26.3B	64.0B	119	67.9	90.5	72.7	71.4	67.3	47.0B	39.0B	26
27	30.5B	25.5B	26.5B	90.0B	118	66.6	93.0	71.3	71.1	68.0	47.0B	39.0B	27
28	30.5B	25.5B	27.0B	115 B	119	65.9	94.3	71.5	70.6	67.0	47.0B	39.0B	28
29	30.0B		27.0B	150 B	119	65.0	93.3	71.9	70.8	67.3	47.0B	39.0B	29
30	30.0B		27.5B	185 B	119	63.6	91.9	71.9	70.1	65.0B	47.0B	39.0B	30
31	29.5B		27.5B		117		88.7	71.9		64.0B		39.0B	31
TOTAL	1 040.5	743.4	801.8	1 465.5	4 886	2 564.8	2 291.6	2 506.7	2 196.4	2 067.5	1 588.0	1 389.9	TOTAL
MEAN	33.6	26.6	25.9	48.9	158	85.5	73.9	80.9	73.2	66.7	52.9	44.8	MEAN
MAX	36.5	29.0	27.5	185	225	114	94.3	91.6	79.6	69.4	63.0	50.9	MAX
MIN	29.5	25.0	25.0	28.0	117	63.6	62.1	71.3	68.5	64.0	47.0	39.0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 64.5
MAXIMUM DAILY, 225E ON MAY 1
MINIMUM DAILY, 25.0B ON FEB 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 39 40 N
LONG 110 55 40 W
DRAINAGE AREA, 17 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	89 900	JUL	198 000
FEB	64 200	AUG	217 000
MAR	69 300	SEP	190 000
APR	127 000	OCT	179 000
MAY	422 000	NOV	137 000
JUN	222 000	DEC	120 000

TOTAL DISCHARGE, 2 040 000 dam³

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	7.25E	16.6	33.2	27.2	15.6	12.4E	---	---	1
2	---	---	---	---	7.00E	19.0	32.8	28.0	14.5	12.5E	---	---	2
3	---	---	---	---	7.40E	22.5	31.4	24.6	14.4	13.0E	---	---	3
4	---	---	---	---	6.75E	26.3	36.6	21.3	16.0	12.7E	---	---	4
5	---	---	---	---	6.25E	27.1	42.3	18.9	19.2	12.3E	---	---	5
6	---	---	---	---	5.80A	27.1	41.6	17.3	19.0	11.9E	---	---	6
7	---	---	---	---	6.25	22.7	46.0	16.8	17.2	11.7E	---	---	7
8	---	---	---	---	5.85	19.2	39.9	17.0	16.5	11.4E	---	---	8
9	---	---	---	---	5.45	19.2	35.3	17.6	18.7	11.2E	---	---	9
10	---	---	---	---	6.15	21.9	32.0	18.6	21.6	11.0E	---	---	10
11	---	---	---	---	6.80	27.0	29.5	18.5	20.0	11.0E	---	---	11
12	---	---	---	---	9.25	32.9	28.7	18.3	17.4	11.0E	---	---	12
13	---	---	---	---	11.5	37.3	27.6	16.6	15.6	10.8E	---	---	13
14	---	---	---	---	11.1	42.4	26.4	16.0	14.2	10.6E	---	---	14
15	---	---	---	---	11.2	48.8	28.2	14.8	13.5	10.8E	---	---	15
16	---	---	---	---	11.5	49.1	25.4	13.8	13.4	11.3E	---	---	16
17	---	---	---	---	11.8	42.8	21.9	13.5	12.6	11.4E	---	---	17
18	---	---	---	---	12.5	37.9	20.0	15.0	11.8	11.2E	---	---	18
19	---	---	---	---	13.3	38.6	19.9	14.9	11.5	11.2E	---	---	19
20	---	---	---	---	11.9	41.6	25.1	14.4	11.4E	11.4E	---	---	20
21	---	---	---	---	11.7	40.9	45.1	14.5	11.3E	11.1E	---	---	21
22	---	---	---	---	13.7	42.4	53.6	15.5	11.3E	11.1E	---	---	22
23	---	---	---	---	14.6	47.2	41.7	15.6	11.2E	11.0E	---	---	23
24	---	---	---	---	13.8	37.7	32.4	14.8	12.9E	11.0E	---	---	24
25	---	---	---	---	16.9	36.7	30.2	14.4	12.9E	10.9A	---	---	25
26	---	---	---	---	17.2	36.1	30.1	16.5	14.9E	10.7E	---	---	26
27	---	---	---	---	16.2	38.3	27.2	17.6	13.5E	10.7E	---	---	27
28	---	---	---	---	14.5	40.9	26.0	19.8	13.8E	10.6E	---	---	28
29	---		---	---	13.4	36.5	25.7	19.9	13.5E	10.5E	---	---	29
30	---		---	---	13.2	33.2	25.8	18.4	12.9E	10.3E	---	---	30
31	---		---		13.9		26.1	16.8		10.2E		---	31
TOTAL	---	---	---	---	334.90	1 009.9	987.7	546.9	442.3	348.9	---	---	TOTAL
MEAN	---	---	---	---	10.8	33.7	31.9	17.6	14.7	11.3	---	---	MEAN
MAX	---	---	---	---	17.2	49.1	53.6	28.0	21.6	13.0	---	---	MAX
MIN	---	---	---	---	5.45	16.6	19.9	13.5	11.2	10.2	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.9
MAXIMUM DAILY, 53.6 ON JUL 22
MINIMUM DAILY, 5.45 ON MAY 9
MAXIMUM INSTANTANEOUS,
58.5 AT 17:12 MST ON JUL 21

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 30 N
LONG 115 26 00 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	85 300
FEB	---	AUG	47 300
MAR	---	SEP	38 200
APR	---	OCT	30 100
MAY	28 900	NOV	---
JUN	87 300	DEC	---

TOTAL DISCHARGE, 317 000 dam³

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.0B	32.5B	28.6B	35.4B	314	187	91.9	116	102	85.4	68.4	50.0B	1
2	42.0B	32.0B	28.2B	35.0B	360	181	89.6	115	100	84.5	67.0	50.0B	2
3	41.5B	32.0B	27.8B	35.9B	345	175	90.8	113	99.5	83.4	66.0B	49.0B	3
4	41.0B	31.5B	28.0B	36.1B	348	171	92.6	115	98.1	83.0	65.0B	49.0B	4
5	40.5B	31.5B	28.0B	37.6B	345	167	96.1	120	96.0	82.4	64.0B	48.0B	5
6	40.5B	31.5B	28.0B	38.1B	321	161	102	127	93.7	81.5	63.0B	48.0B	6
7	40.0B	31.5B	27.8B	38.5B	300	158	104	133	92.4	80.8	63.0B	48.0B	7
8	40.0B	31.5B	27.7B	39.5B	290	154	105	135	90.4	80.5	62.0B	48.0B	8
9	40.0B	31.0B	27.9B	39.7B	278	151	105	135	89.5	79.8	61.0B	47.0B	9
10	40.0B	31.0B	27.9B	40.3B	266	148	103	137	93.1	79.0	61.0B	47.0B	10
11	39.7B	31.0B	28.0B	40.8B	263	146	98.9	139	95.5	78.5	60.0B	47.0B	11
12	39.5B	31.0B	27.7B	41.4B	259	143	96.6	137	97.8	79.0	60.0B	47.0B	12
13	39.5B	30.5B	27.6B	41.8B	255	141	97.9	134	100	78.4	59.0B	47.0B	13
14	39.0B	30.0B	28.1B	42.7B	248	138	97.4	130	102	78.7	59.0B	47.0B	14
15	39.0B	29.2B	28.1B	43.9B	242	135	95.5	128	103	78.4	58.0B	47.0B	15
16	39.0B	28.0B	28.3B	43.7B	236	131	94.4	125	103	78.0	58.0B	47.0B	16
17	38.5B	27.5B	28.6B	43.6B	229	129	92.4	122	102	79.2	57.0B	47.4B	17
18	38.0B	27.0B	28.9B	42.8B	223	126	90.7	122	102	79.3	57.0B	47.5B	18
19	37.5B	26.2B	29.6B	43.2B	217	123	90.9	120	100	79.5	56.0B	46.3B	19
20	37.0B	26.4B	30.2B	44.0B	212	120	93.0	117	98.6	79.2	55.0B	46.4B	20
21	36.5B	26.3B	30.2B	45.1B	206	118	95.4	114	96.7	77.2	55.0B	45.4B	21
22	36.0B	26.2B	30.5B	50.8B	202	114	98.7	112	95.2	77.5	54.0B	44.3B	22
23	35.5B	26.4B	30.8B	57.4B	199	111	104	109	93.3	78.2	53.0B	42.7B	23
24	35.0B	26.8B	31.3B	73.4B	197	108	107	107	92.0	78.6	52.0B	42.2B	24
25	35.0B	27.5B	31.6B	94.4B	195	105	114	105	90.5	78.7	51.0B	41.7B	25
26	34.5B	27.8B	32.0B	129 B	193	103	119	102	89.5	78.3	51.0B	41.8B	26
27	34.0B	28.3B	33.2B	194 B	192	100	121	101	88.2	79.1	51.0B	42.2B	27
28	33.5B	28.4B	33.5B	230 B	194	98.3	122	101	87.7	79.4	50.0B	41.9B	28
29	33.5B		34.1B	254 B	195	95.7	123	101	86.7	76.9	50.0B	41.7B	29
30	33.0B		34.5B	270 B	194	93.2	122	101	85.8	73.0	50.0B	42.8B	30
31	32.5B		34.8B		191		119	101		71.9		43.0B	31
TOTAL	1 173.2	820.5	921.5	2 202.9	7 709	4 031.2	3 172.8	3 674	2 864.2	2 457.3	1 736.4	1 423.3	TOTAL
MEAN	37.8	29.3	29.7	73.4	249	134	102	119	95.5	79.3	57.9	45.9	MEAN
MAX	42.0	32.5	34.8	270	360	187	123	139	103	85.4	68.4	50.0	MAX
MIN	32.5	26.2	27.6	35.4	191	93.2	89.6	101	85.8	71.9	50.0	41.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.2
MAXIMUM DAILY, 360 ON MAY 2
MINIMUM DAILY, 26.2B ON FEB 19
MAXIMUM INSTANTANEOUS,
389 AT 06:50 MST ON MAY 2

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 50 N
LONG 111 15 00 W
DRAINAGE AREA, 30 600 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	101 000	JUL	274 000
FEB	70 900	AUG	317 000
MAR	79 600	SEP	247 000
APR	190 000	OCT	212 000
MAY	666 000	NOV	150 000
JUN	348 000	DEC	123 000

TOTAL DISCHARGE, 2 780 000 dam³

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.17B	4.62B	3.34B	1.03 B	10.9	19.1	37.7	32.1	20.0	15.6	10.6	6.82B	1
2	3.01B	4.49B	3.22B	0.990B	10.8	20.8	39.8	32.7	18.6	15.2	10.4	6.79B	2
3	2.91B	4.31B	3.12B	0.960B	11.3	22.3	41.9	32.6	17.4	15.6	9.89	6.70B	3
4	2.79B	4.11B	2.99B	0.900B	10.6	24.9	50.2	30.1	17.9	15.8	9.95	6.65B	4
5	2.73B	3.98B	2.88B	0.860B	9.83	27.8	70.5	27.2	19.7	15.3	9.94	6.55B	5
6	2.61B	3.82B	2.73B	0.800B	9.01	30.3	73.3	25.1	21.1	14.6	9.71	6.47B	6
7	2.62B	3.70B	2.60B	0.780B	8.94	30.4	68.7	23.4	20.8	14.1	9.45	6.49B	7
8	2.81B	3.68B	2.48B	0.780B	9.35	27.5	63.1	22.5	19.4	13.8	9.02	6.60B	8
9	3.16B	3.43B	2.39B	1.05 B	8.83	25.5	55.0	22.2	18.8	13.4	8.99B	6.85B	9
10	3.45B	3.35B	2.38B	3.30 B	8.72	24.9	47.7	22.5	20.2	13.0	8.29B	6.90B	10
11	3.92B	3.22B	2.29B	5.68	9.24	26.4	42.4	22.9	21.9	12.7	7.55B	6.80B	11
12	4.04B	3.10B	2.13B	5.80	10.1	29.2	39.7	23.1	20.9	12.5	7.53B	6.75B	12
13	3.92B	3.01B	1.99B	6.59	12.2	33.4	41.2	22.3	19.3	12.3	7.60B	6.84B	13
14	3.68B	3.01B	1.89B	7.85	12.6	36.3	38.3	22.2	17.8	12.1	7.68B	6.93B	14
15	3.43B	3.05B	1.86B	7.27	12.4	41.0	39.2	22.0	17.0	12.0	7.71B	7.06B	15
16	3.22B	3.11B	1.79B	7.57	13.6	44.8	38.6	20.5	16.7	12.0	7.28B	7.20B	16
17	3.18B	3.22B	1.64B	8.62	15.1	44.0	34.3	19.1	15.8	12.2	6.90B	7.35B	17
18	3.20B	3.32B	1.49B	9.34	15.0	40.3	30.8	18.3	15.0	12.5	6.90B	7.40B	18
19	3.33B	3.43B	1.49B	8.53	15.8	37.4	28.8	18.8	14.5	12.4	6.98B	7.01B	19
20	3.62B	3.54B	1.51B	8.97	16.1	38.5	31.7	18.8	13.9	12.4	7.08B	6.59B	20
21	3.98B	3.58B	1.51B	11.4	14.9	40.1	43.0	18.5	13.7	12.6	7.05B	6.07B	21
22	4.30B	3.51B	1.48B	13.9	14.4	40.3	59.1	18.5	13.6	12.1	7.00B	5.65B	22
23	4.62B	3.42B	1.38B	18.1	16.4	42.9	58.5	19.7	13.3	11.8	6.95B	5.54B	23
24	4.87B	3.36B	1.30B	20.6	16.2	44.4	47.7	19.4	13.2	11.8	6.82B	5.70B	24
25	5.03B	3.31B	1.24B	15.6	15.8	39.7	41.1	19.3	13.1	11.7	6.71B	5.94B	25
26	5.01B	3.33B	1.21B	12.8	18.7	38.6	40.0	20.5	15.3	11.6	6.55B	6.10B	26
27	4.89B	3.38B	1.20B	11.8	21.7	39.0	37.7	21.1	17.5	11.4	6.50B	5.98B	27
28	4.77B	3.44B	1.22B	11.9	22.7	42.8	35.4	22.1	16.5	11.3	6.52B	5.88B	28
29	4.81B		1.22B	12.5	21.4	44.4	33.2	23.2	16.9	11.3	6.58B	6.30B	29
30	4.83B		1.18B	11.7	19.4	41.0	32.8	22.8	16.7	11.2	6.71B	6.79B	30
31	4.78B		1.11B		19.0		31.7	21.5		10.9		6.03B	31
TOTAL	116.69	98.83	60.26	227.970	431.02	1 038.0	1 373.1	705.0	516.5	397.2	236.84	202.73	TOTAL
MEAN	3.76	3.53	1.94	7.60	13.9	34.6	44.3	22.7	17.2	12.8	7.89	6.54	MEAN
MAX	5.03	4.62	3.34	20.6	22.7	44.8	73.3	32.7	21.9	15.8	10.6	7.40	MAX
MIN	2.61	3.01	1.11	0.780	8.72	19.1	28.8	18.3	13.1	10.9	6.50	5.54	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.8
MAXIMUM DAILY, 73.3 ON JUL 6
MINIMUM DAILY, 0.780B ON APR 7
MAXIMUM INSTANTANEOUS,
77.9 AT 21:12 MST ON JUL 5

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 09 N
LONG 114 51 14 W
DRAINAGE AREA, 2 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 100	JUL	119 000
FEB	8 540	AUG	60 900
MAR	5 210	SEP	44 600
APR	19 700	OCT	34 300
MAY	37 200	NOV	20 500
JUN	89 700	DEC	17 500

TOTAL DISCHARGE, 467 000 dam³

COAL CREEK AT BOW CITY - STATION NO. 05BN014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.491	0.094	0.195	0.028	0.419	0.073A	---	1
2	---	---	---	---	0	0.435	0.185	0.220	0.023	0.430	---	---	2
3	---	---	---	---	0	0.476	0.444	0.235	0.018	0.440	---	---	3
4	---	---	---	---	0	0.582	0.498	0.302	0.092	0.425	---	---	4
5	---	---	---	---	0	0.675	0.449	0.335	0.276	0.369	---	---	5
6	---	---	---	---	0	0.663	0.483	0.334	0.298	0.224	---	---	6
7	---	---	---	---	0.066	0.726	0.492	0.295	0.302	0.156	---	---	7
8	---	---	---	---	0.105	0.599	0.479	0.220	0.285	0.142	---	---	8
9	---	---	---	---	0.038	0.456	0.543	0.264	0.134	0.145	---	---	9
10	---	---	---	---	0.005	0.259	0.562	0.282	0.087	0.171	---	---	10
11	---	---	---	---	0.036	0.295	0.476	0.280	0.058	0.166	---	---	11
12	---	---	---	---	0.090	0.303	0.368	0.260	0.040	0.149	---	---	12
13	---	---	---	---	0.091	0.337	0.355	0.263	0.033	0.118	---	---	13
14	---	---	---	---	0.073	0.350	0.322	0.365	0.029	0.103	---	---	14
15	---	---	---	---	0.061	0.210	0.289	0.374	0.029	0.111	---	---	15
16	---	---	---	---	0.089	0.094	0.386	0.351	0.029	0.147	---	---	16
17	---	---	---	---	0.107	0.221	0.321	0.328	0.026	0.070	---	---	17
18	---	---	---	---	0.087	0.278	0.296	0.240	0.099	0.027	---	---	18
19	---	---	---	---	0.068	0.194	0.320	0.235	0.121	0.029	---	---	19
20	---	---	---	0.003A	0.092	0.163	0.203	0.224	0.122	0.032	---	---	20
21	---	---	---	0.003	0.085	0.086	0.143	0.175	0.124	0.032	---	---	21
22	---	---	---	0.003	0.055	0.013	0.203	0.138	0.113	0.043	---	---	22
23	---	---	---	0.004	0.012	0.005	0.224	0.148	0.122	0.049	---	---	23
24	---	---	---	0.006	0.002	0.080	0.188	0.149	0.121	0.042	---	---	24
25	---	---	---	0.002	0	0.081	0.223	0.219	0.142	0.043	---	---	25
26	---	---	---	0	0.047	0.075	0.310	0.187	0.186	0.047	---	---	26
27	---	---	---	0	0.486	0.066	0.323	0.107	0.306	0.047	---	---	27
28	---	---	---	0	0.415	0.082	0.258	0.067	0.488	0.046	---	---	28
29	---		---	0	0.583	0.069	0.229	0.049	0.476	0.050	---	---	29
30	---		---	0	0.591	0.082	0.255	0.041	0.459	0.055	---	---	30
31	---		---		0.552		0.239	0.035		0.061		---	31
TOTAL	---	---	---	---	3.836	8.446	10.160	6.917	4.666	4.388	---	---	TOTAL
MEAN	---	---	---	---	0.124	0.282	0.328	0.223	0.156	0.142	---	---	MEAN
MAX	---	---	---	---	0.591	0.726	0.562	0.374	0.488	0.440	---	---	MAX
MIN	---	---	---	---	0	0.005	0.094	0.035	0.018	0.027	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.209
MAXIMUM DAILY, 0.726 ON JUN 7
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 112 13 40 W
DRAINAGE AREA, 86.8 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	878
FEB	---	AUG	598
MAR	---	SEP	403
APR	---	OCT	379
MAY	331	NOV	---
JUN	730	DEC	---

TOTAL DISCHARGE, 3 320 dam³

COAL LAKE RESERVOIR NEAR WETASKIWIN - STATION NO. 05PA016

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	702.745	702.799	702.786	702.800	---	---	---	---	702.848	702.796	702.806	702.699	1
2	702.740	702.800	702.786	702.804	---	---	---	---	702.838	702.815	702.787	702.695	2
3	702.733	702.803	702.786	702.807	---	---	---	---	702.837	702.845	702.771	702.692	3
4	702.730	702.797	702.790	702.808	703.409	---	---	---	702.841	702.831	702.755	702.627	4
5	702.726	702.798	702.795	702.808	---	---	---	---	702.849	702.823	702.774	702.685	5
6	702.727	702.802	702.795	702.807	---	---	---	---	702.857	702.826	702.775	702.682	6
7	702.734	702.800	702.793	---	---	---	---	---	702.866	702.835	702.765	702.675	7
8	702.737	702.797	702.790	---	---	---	703.171	---	702.874	702.835	702.759	702.671	8
9	702.752	702.797	702.790	---	---	---	---	---	702.876	702.830	702.768	702.670	9
10	702.754	702.798	702.791	---	---	---	---	---	702.886	702.830	702.775	702.662	10
11	702.761	702.799	702.791	---	---	---	---	702.923	702.877	702.829	702.758	702.657	11
12	702.766	702.799	702.791	---	---	---	---	---	702.877	702.828	702.746	702.654	12
13	702.770	702.798	702.795	---	---	---	---	---	702.861	702.831	702.745	702.651	13
14	702.767	702.798	702.795	---	---	---	---	---	702.849	702.833	702.746	702.650	14
15	702.766	702.797	702.801	---	---	---	---	---	702.859	702.815	702.746	702.646	15
16	702.766	702.797	702.798	---	---	---	---	---	702.853	702.822	702.745	702.644	16
17	702.772	702.794	702.795	---	703.118	---	---	702.902	702.854	702.858	702.742	702.644	17
18	702.771	702.789	702.799	---	---	---	---	702.891	702.855	702.838	702.741	702.639	18
19	702.776	702.791	702.801	---	---	---	---	702.884	702.847	702.829	702.740	702.635	19
20	702.775	702.794	702.802	---	---	---	---	702.871	702.842	702.831	702.741	702.631	20
21	702.774	702.793	702.802	---	---	---	---	702.876	702.843	702.832	702.739	702.624	21
22	702.777	702.792	702.801	---	---	---	---	702.874	702.852	702.827	702.734	702.626	22
23	702.785	702.791	702.802	---	---	---	---	702.865	702.853	702.833	702.728	702.622	23
24	702.792	702.787	702.802	---	---	---	---	702.863	702.847	702.834	702.727	702.620	24
25	702.791	702.789	702.802	---	---	---	---	702.861	702.837	702.841	702.721	702.620	25
26	702.794	702.787	702.801	---	---	---	---	702.856	702.837	702.844	702.718	702.618	26
27	702.790	702.787	702.801	---	---	---	---	702.843	702.827	702.849	702.716	702.616	27
28	702.789	702.787	702.800	---	---	---	---	702.851	702.833	702.840	702.712	702.614	28
29	702.785		702.800	---	---	---	---	702.842	702.858	702.817	702.707	702.613	29
30	702.789		702.800	---	---	---	---	702.840	702.802	702.817	702.705	702.612	30
31	702.798		702.800		---		---	702.838		702.816		702.609	31
MEAN	702.766	702.795	702.796	---	---	---	---	---	702.851	702.830	702.747	702.647	MEAN
MAX	702.798	702.803	702.802	---	---	---	---	---	702.886	702.858	702.806	702.699	MAX
MIN	702.726	702.787	702.786	---	---	---	---	---	702.802	702.796	702.705	702.609	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 07 N
LONG 113 13 09 W

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

COLD LAKE AT COLD LAKE - STATION NO. 06AF002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	534.926	534.978	534.964	535.016	534.954	534.827	534.768	1
2	---	---	---	---	---	534.927	534.942	534.972	535.019	534.948	534.819	534.777	2
3	---	534.624A	---	---	---	534.928	534.968	535.034	535.014	534.887	534.868	534.761	3
4	---	---	---	---	---	534.925	534.988	535.038	534.968	534.950	534.842	534.766	4
5	---	---	---	---	---	534.866	534.951	535.038	535.003	534.951	534.862	534.774	5
6	---	---	---	---	---	534.897	534.984	535.032	535.016	534.929	534.842	534.786	6
7	---	---	---	---	---	534.951	535.009	535.026	535.003	534.922	534.857	534.784	7
8	---	---	---	---	---	534.951	535.000	535.033	535.006	534.941	534.865	534.778	8
9	---	---	---	---	---	534.951	535.003	535.031	535.002	534.940	534.859	534.777	9
10	---	---	---	---	---	534.937	535.001	535.012	534.998	534.940	534.846	534.781	10
11	534.619A	---	---	---	534.815A	534.959	534.999	535.035	535.002	534.934	534.813	534.781	11
12	534.621	---	---	---	534.812	534.936	534.987	535.044	534.960	534.935	534.822	534.781	12
13	534.620	---	---	---	534.818	534.943	534.992	535.035	534.961	534.932	534.832	534.780	13
14	534.620	---	---	---	534.827	534.941	534.982	535.020	534.991	534.901	534.832	534.778	14
15	534.619	---	---	---	534.834	534.951	534.991	535.036	534.986	534.896	534.827	534.778	15
16	534.616	---	---	---	534.839	534.939	534.982	535.036	534.992	534.869	534.760	534.777	16
17	534.617	---	---	---	534.842	534.961	534.995	535.031	534.993	534.869	534.760	534.777	17
18	534.618	---	---	---	534.849	534.944	535.001	535.039	534.951	534.893	534.760	534.776	18
19	534.619	---	---	---	534.856	534.964	534.994	535.036	534.989	534.907	534.785	534.777	19
20	534.619A	---	---	---	534.869	534.956	534.996	535.038	534.991	534.914	534.822	534.776	20
21	---	---	---	---	534.875	534.954	534.969	535.028	534.989	534.910	534.816	534.777	21
22	---	---	---	---	534.880	534.946	534.963	535.011	534.984	534.900	534.805	534.776	22
23	---	---	---	---	534.887	534.930	534.999	535.002	534.962	534.913	534.816	534.775	23
24	---	---	---	---	534.892	534.961	534.996	534.999	534.971	534.910	534.757	534.774	24
25	---	---	---	---	534.892	534.955	534.979	534.997	534.935	534.901	534.790	534.776	25
26	---	---	---	---	534.873	534.972	534.996	534.974	534.921	534.902	534.795	534.775	26
27	---	---	---	---	534.862	534.963	534.999	534.973	534.922	534.879	534.794	534.775	27
28	---	---	---	---	534.877	534.966	534.987	534.995	534.909	534.879	534.790	534.773	28
29	---		---	---	534.894	534.967	534.985	534.994	534.904	534.874	534.789	534.777	29
30	---		534.683A	---	534.920	534.923	534.992	534.963	534.953	534.894	534.780	534.776	30
31	---		---		534.923		534.971	535.020		534.886		534.776	31
MEAN	---	---	---	---	---	534.943	534.985	535.016	534.977	534.912	534.814	534.776	MEAN
MAX	---	---	---	---	---	534.972	535.009	535.044	535.019	534.954	534.868	534.786	MAX
MIN	---	---	---	---	---	534.866	534.942	534.963	534.904	534.869	534.757	534.761	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

A - MANUAL GAUGE

MAXIMUM DAILY, 535.044 ON AUG 12

MAXIMUM INSTANTANEOUS,
535.049 AT 12:48 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 27 50 N
LONG 110 10 00 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	2.99	0.210	0.228E	0.108	0	0	---	---	1
2	---	---	OB	0 B	2.12	0.209	0.250E	0.113	0	0	---	---	2
3	---	---	OB	0 B	1.48	0.201	0.350E	0.116A	0	0	---	---	3
4	---	---	OB	0 B	1.04	0.182	0.560E	0.115E	0	0	---	---	4
5	---	---	OB	0 B	0.691	0.177	0.900E	0.110E	0	0	---	---	5
6	---	---	OB	0 B	0.483	0.193	0.930E	0.100E	0	0	---	---	6
7	---	---	OB	0 B	0.300	0.223	0.900E	0.090E	0	0	---	---	7
8	---	---	OB	0 B	0.259	0.273	0.859A	0.070E	0	0	---	---	8
9	---	---	OB	0 B	0.226	0.246	0.754A	0.055E	0	0	---	---	9
10	---	---	OB	0 B	0.207	0.218	0.660E	0.040E	0	0	---	---	10
11	---	---	OB	0 B	0.193	0.209	0.580E	0.015E	0	0	---	---	11
12	---	---	OB	0 B	0.173	0.218	0.460E	0.003E	0	0	---	---	12
13	---	---	OB	0 B	0.181	0.204	0.385E	0 E	0	0	---	---	13
14	---	---	OB	0 B	0.177	0.180	0.340E	0 E	0	0	---	---	14
15	---	---	OB	0.003B	0.181	0.154	0.370E	0 E	0	0	---	---	15
16	---	---	OB	0.008B	0.189	0.138	0.410E	0 E	0	0	---	---	16
17	---	---	OB	0.015B	0.182	0.121	0.530E	0 E	0	0	---	---	17
18	---	---	OB	0.025B	0.194	0.119	0.480E	0 E	0	0	---	---	18
19	---	---	OB	0.050B	0.224	0.119	0.330E	0 E	0	0	---	---	19
20	---	---	OB	0.700B	0.244	0.119	0.245E	0 E	0	0	---	---	20
21	---	---	OB	3.00 B	0.254	0.119	0.140E	0 E	0	0	---	---	21
22	---	---	OB	8.89	0.219	0.119	0.082E	0 E	0	0	---	---	22
23	---	---	OB	12.8	0.212	0.121	0.080E	0 E	0	0	---	---	23
24	---	---	OB	14.5	0.218	0.120	0.080E	0 E	0	0	---	---	24
25	---	---	OB	13.2	0.225	0.120	0.085E	0 E	0	0	---	---	25
26	---	---	OB	11.0	0.203	0.120A	0.087	0 E	0	0	---	---	26
27	---	---	OB	8.77	0.190	0.130E	0.083	0 E	0	0	---	---	27
28	---	---	OB	6.61	0.180	0.145E	0.080	0 E	0	0	---	---	28
29	---		OB	5.29	0.166	0.180E	0.088	0 E	0	0	---	---	29
30	---		OB	3.96	0.176	0.205E	0.095	0	0	0	---	---	30
31	---		OB		0.182		0.098	0		0		---	31
TOTAL	---	---	0	88.821	13.879	5.092	11.519	0.935	0	0	---	---	TOTAL
MEAN	---	---	0	2.96	0.448	0.170	0.372	0.030	0	0	---	---	MEAN
MAX	---	---	0	14.5	2.99	0.273	0.930	0.116	0	0	---	---	MAX
MIN	---	---	0	0	0.166	0.119	0.080	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.491
MAXIMUM DAILY, 14.5 ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.7 AT 08:25 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 23 N
LONG 114 56 39 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	995
FEB	---	AUG	80.8
MAR	0	SEP	0
APR	7 670	OCT	0
MAY	1 200	NOV	---
JUN	440	DEC	---

TOTAL DISCHARGE, 10 400 dam³

COOKING LAKE AT COOKING LAKE - STATION NO. 05EB012

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.468	1.563	1.446	1.533	1.486	1.451	---	---	1
2	---	---	---	---	1.460	1.518	---	1.528	1.514	1.451	---	---	2
3	---	---	---	---	1.460	1.518	---	1.528	1.516	1.461	---	---	3
4	---	---	---	---	1.467	1.538	---	1.529	---	1.471	---	---	4
5	---	---	---	---	---	---	---	1.529	1.506	1.464	---	---	5
6	---	---	---	---	1.461	1.564	1.541	1.514	1.506	1.471	---	---	6
7	---	---	---	---	---	1.529	1.531	1.514	1.496	1.466	---	---	7
8	---	---	---	---	---	1.529	1.566	1.514	1.496	1.461	---	---	8
9	---	---	---	---	---	1.519	1.531	1.514	1.496	1.446	---	---	9
10	---	---	---	---	---	1.519	1.531	1.514	1.486	1.451	---	---	10
11	---	---	1.387	---	---	1.519	1.532	1.464	1.481	1.451	---	---	11
12	---	---	---	---	---	1.518	1.532	---	1.481	1.451	---	---	12
13	---	---	---	---	---	1.509	1.532	1.529	1.481	1.456	---	---	13
14	---	---	---	---	---	1.509	---	---	1.466	1.456	---	---	14
15	---	---	---	---	---	1.499	1.542	---	1.481	1.456	---	---	15
16	---	---	---	---	---	1.499	1.542	1.535	1.481	1.456	---	---	16
17	---	---	---	---	---	1.495	1.547	1.530	1.481	1.446	---	---	17
18	---	---	---	---	---	1.495	1.522	1.515	1.481	1.456	---	---	18
19	---	---	---	---	1.572	1.500	1.532	1.515	1.486	1.461	---	---	19
20	---	---	---	---	1.572	1.495	1.532	1.515	1.486	1.461	---	---	20
21	---	---	---	---	1.572	1.480	1.532	1.515	1.481	1.461	---	---	21
22	---	---	---	---	1.572	---	1.552	1.515	1.481	1.461	---	---	22
23	---	---	---	---	1.557	1.475	1.568	1.505	1.481	1.456	---	---	23
24	---	---	---	---	1.557	1.470	1.568	1.505	1.466	1.456	---	---	24
25	---	---	---	---	1.558	1.470	1.568	---	1.471	1.454	---	---	25
26	---	---	---	---	1.558	1.470	1.568	1.500	1.466	1.461	---	---	26
27	---	---	---	---	1.573	1.470	1.568	1.496	1.471	1.466	---	---	27
28	---	---	---	---	1.583	---	1.568	1.481	1.471	1.466	---	---	28
29	---		---	---	1.558	1.476	---	---	1.456	1.466	---	---	29
30	---		---	---	1.548	1.451	1.568	---	1.451	1.471	---	---	30
31	---		---		1.548		1.568	1.486		1.461		---	31
MEAN	---	---	---	---	---	---	---	---	---	1.459	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	1.471	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	1.446	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 24 59 N
LONG 113 07 15 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.195	1.22	0.270	0.051	0.060	0.088	---	---	1
2	---	---	---	---	0.201	0.697	0.221	0.048	0.060	0.077	---	---	2
3	---	---	---	---	0.197	0.481	0.173	0.048	0.058	0.073	---	---	3
4	---	---	---	---	0.164	0.389	0.138	0.053	0.059	0.068	---	---	4
5	---	---	---	---	0.132	0.476	0.127	0.051	0.061	0.064	---	---	5
6	---	---	---	---	0.126	0.861	0.127	0.051	0.059	0.061	---	---	6
7	---	---	---	---	0.141	1.30	0.110	0.051	0.054	0.062	---	---	7
8	---	---	---	---	0.212	0.987	0.107	0.054	0.051	0.062	---	---	8
9	---	---	---	---	0.260	0.612	0.101	0.058	0.046	0.062	---	---	9
10	---	---	---	---	0.230	0.539	0.099	0.066	0.049	0.061	---	---	10
11	---	---	---	---	0.246	0.470	0.088	0.059	0.053	0.062	---	---	11
12	---	---	---	---	0.226	0.446	0.084	0.054	0.060	0.064	---	---	12
13	---	---	---	---	0.195	0.386	0.082	0.055	0.077	0.064	---	---	13
14	---	---	---	---	0.170	0.376	0.099	0.054	0.070	0.062	---	---	14
15	---	---	---	---	0.160	0.413	0.096	0.052	0.066	0.063	---	---	15
16	---	---	---	---	0.172	0.324	0.098	0.053	0.070	0.063	---	---	16
17	---	---	---	---	0.164	0.320	0.081	0.053	0.066	0.062	---	---	17
18	---	---	---	---	0.155	0.279	0.069	0.054	0.064	0.069	---	---	18
19	---	---	---	---	0.242	0.251	0.064	0.056	0.067	0.068	---	---	19
20	---	---	---	0.221A	0.235	0.224	0.059	0.054	0.066	0.068	---	---	20
21	---	---	---	0.457	0.171	0.217	0.066	0.058	0.064	0.064	---	---	21
22	---	---	---	0.875	0.158	0.197	0.055	0.056	0.062	0.065	---	---	22
23	---	---	---	1.12	0.158	0.202	0.053	0.060	0.063	0.064	---	---	23
24	---	---	---	0.909	0.151	0.209	0.055	0.062	0.062	0.059	---	---	24
25	---	---	---	0.341	0.140	0.251	0.053	0.062	0.059	0.061	---	---	25
26	---	---	---	0.315	0.169	0.227	0.051	0.067	0.065	0.062A	---	---	26
27	---	---	---	0.328	0.368	0.252	0.053	0.069	0.083	0.057E	---	---	27
28	---	---	---	0.348	0.932	0.261	0.054	0.066	0.092	0.057E	---	---	28
29	---		---	0.299	0.846	0.311	0.056	0.062	0.090	0.057E	---	---	29
30	---		---	0.217	0.864	0.457	0.052	0.065	0.085	0.057E	---	---	30
31	---		---		1.48		0.048	0.073		0.057E		---	31
TOTAL	---	---	---	---	9.260	13.635	2.889	1.775	1.941	1.983	---	---	TOTAL
MEAN	---	---	---	---	0.299	0.455	0.093	0.057	0.065	0.064	---	---	MEAN
MAX	---	---	---	---	1.48	1.30	0.270	0.073	0.092	0.088	---	---	MAX
MIN	---	---	---	---	0.126	0.197	0.048	0.048	0.046	0.057	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.171
MAXIMUM DAILY, 1.48 ON MAY 31
MINIMUM DAILY, 0.046 ON SEP 9
MAXIMUM INSTANTANEOUS,
1.85 AT 05:10 MST ON MAY 31

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 35 N
LONG 113 50 50 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	250
FEB	---	AUG	153
MAR	---	SEP	168
APR	---	OCT	171
MAY	800	NOV	---
JUN	1 180	DEC	---

TOTAL DISCHARGE, 2 720 dam³

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.767	0.020A	0	0.002	0.004	0	---	---	1
2	---	---	0B	0 B	0.617	0.018	0	0.001	0.004	0	---	---	2
3	---	---	0B	0 B	0.505	0.017	0.005	0.001	0.004	0	---	---	3
4	---	---	0B	0 B	0.407	0.016	0.021	0.001	0.004	0	---	---	4
5	---	---	0B	0 B	0.333	0.016	0.401	0.001	0.004	0.001	---	---	5
6	---	---	0B	0 B	0.277	0.017	2.41	0.001	0.003	0	---	---	6
7	---	---	0B	0 B	0.220	0.017	1.81	0	0.004	0	---	---	7
8	---	---	0B	0 B	0.161	0.017	1.12	0	0.004	0	---	---	8
9	---	---	0B	0 B	0.122	0.016	0.639	0	0.004	0	---	---	9
10	---	---	0B	0 B	0.069	0.014	0.290	0	0.004	0	---	---	10
11	---	---	0B	0 B	0.040	0.013	0.095	0	0.004	0	---	---	11
12	---	---	0B	0.001B	0.038	0.012	0.040	0.001	0.004	0	---	---	12
13	---	---	0B	0.002B	0.035	0.011	0.023	0.001	0.003	0	---	---	13
14	---	---	0B	0.002B	0.024	0.008	0.017	0.002	0.003	0	---	---	14
15	---	---	0B	0.003B	0.021	0.005	0.012	0.002	0.003	0	---	---	15
16	---	---	0B	0.004B	0.020	0.004	0.009	0.002	0.003	0	---	---	16
17	---	---	0B	0.003B	0.019	0.003	0.008	0.002	0.003	0.001	---	---	17
18	---	---	0B	0.008B	0.018	0.003	0.009	0.002	0.003	0.001	---	---	18
19	---	---	0B	0.018B	0.062	0.003	0.012	0.002	0.002	0.002	---	---	19
20	---	---	0B	0.030B	0.087	0.002	0.011	0.002	0.002	0.001	---	---	20
21	---	---	0B	0.411B	0.068	0.002	0.010	0.001	0.002	0.001	---	---	21
22	---	---	0B	3.53	0.044	0.001	0.008	0.002	0.002	0.002	---	---	22
23	---	---	0B	5.99	0.040	0.001	0.005	0.001	0.001	0.002	---	---	23
24	---	---	0B	5.13	0.038A	0.001	0.005	0.001	0.001	0.002	---	---	24
25	---	---	0B	3.70	0.035E	0	0.004	0.001	0.001	0.002	---	---	25
26	---	---	0B	2.63	0.033E	0	0.004	0.001	0.001	0.002	---	---	26
27	---	---	0B	1.95	0.030E	0	0.003	0.001	0.001	0.003	---	---	27
28	---	---	0B	1.48	0.028E	0	0.003	0.002	0.001	0.003	---	---	28
29	---		0B	1.17	0.026E	0	0.003	0.002	0	0.003A	---	---	29
30	---		0B	0.922	0.023E	0	0.002	0.003	0	0.003E	---	---	30
31	---		0B		0.021E		0.002	0.003		0.003E		---	31
TOTAL	---	---	0	26.984	4.228	0.237	6.981	0.041	0.080	0.032	---	---	TOTAL
MEAN	---	---	0	0.899	0.136	0.008	0.225	0.001	0.003	0.001	---	---	MEAN
MAX	---	---	0	5.99	0.767	0.020	2.41	0.003	0.004	0.003	---	---	MAX
MIN	---	---	0	0	0.018	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 5.99 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.37 AT 16:40 MST ON APR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 22 N
LONG 114 40 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	603
FEB	---	AUG	3.54
MAR	0	SEP	6.91
APR	2 330	OCT	2.76
MAY	365	NOV	---
JUN	20.5	DEC	---

TOTAL DISCHARGE, 3 330 dam³

CRESSDAY RESERVOIR NEAR CRESSDAY - STATION NO. 11AB097

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	962.873	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	963.960	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	963.477	---	---	6
7	---	---	962.876E	962.870E	964.039E	963.952E	963.868E	963.700E	963.568E	963.472E	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	962.869	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	962.874E	963.228E	964.008E	963.922E	963.810E	963.654E	963.537E	963.460E	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	963.466	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	964.457	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	963.618	---	---	---	---	24
25	---	962.878E	---	---	963.987	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	963.449	---	---	26
27	---	---	---	964.087	---	963.895E	---	---	963.502E	---	---	---	27
28	---	962.878E	962.872E	964.062	963.980E	---	963.750	963.600E	---	963.446E	---	---	28
29	---	---	---	---	---	963.890	---	---	---	---	---	---	29
30	---	---	---	964.059E	---	963.886E	---	---	963.495E	---	---	---	30
31	---	---	962.871E	---	963.970E	---	963.738E	963.592E	---	963.442E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 02 N
LONG 110 15 40 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	12.1 B	0.125	1.13	2.99	1.44	1.68	1.69	0.047A	---	1
2	---	---	0 B	9.84 B	0.081	0.955	2.25	1.34	1.75	1.82	---	---	2
3	---	---	0 B	7.58 B	0.064	0.899	2.58	1.28	1.72	1.62	---	---	3
4	---	---	0 B	5.32 B	0.052	0.823	2.96	1.21	1.78	1.39	---	---	4
5	---	---	0 B	1.44 B	0.044	0.778	3.39	1.21	1.67	1.00	---	---	5
6	---	---	0 B	0.803B	0.058	0.779	3.35	1.09	1.49	0.752	---	---	6
7	---	---	0.011B	0.473B	0.058	0.942	3.23	1.07	1.40	0.512	---	---	7
8	---	---	0.022B	0.426B	0.054	0.985	3.09	0.993	1.35	0.381	---	---	8
9	---	---	0.033B	0.410B	0.049	1.02	2.86	0.954	1.23	0.269	---	---	9
10	---	---	0.044B	0.449B	0.046	1.08	2.74	0.761	1.13	0.247	---	---	10
11	---	---	0.055B	0.924B	0.038	0.893	2.68	0.603	1.09	0.305	---	---	11
12	---	---	0.066B	4.35 B	0.035	0.738	2.40	0.520	1.11	0.286	---	---	12
13	---	---	0.077B	10.5 B	0.048	0.764	2.09	0.705	1.10	0.201	---	---	13
14	---	---	0.088B	7.11 B	0.043	0.718	1.75	0.793	1.11	0.141	---	---	14
15	---	---	0.100B	3.58 B	0.023	0.702	1.86	0.838	1.13	0.103	---	---	15
16	---	---	0.104B	2.61 B	0.004	0.654	1.70	0.690	1.16	0.080	---	---	16
17	---	---	0.120B	2.58 B	0.028	0.577	1.82	0.714	1.13	0.060	---	---	17
18	---	---	0.130B	1.65 B	0.613	0.515	1.91	0.987	1.02	0.071	---	---	18
19	---	---	0.160B	1.16 B	0.778	0.578	1.63	0.942	1.04	0.075	---	---	19
20	---	---	0.198B	0.790B	0.819	0.611	1.38	0.950	1.08	0.077	---	---	20
21	---	---	0.302B	0.606	0.854	0.758	1.09	0.924	1.09	0.066	---	---	21
22	---	---	0.391B	0.485	0.889	0.523	1.15	0.843	1.16	0.063	---	---	22
23	---	---	0.714B	0.382	0.831	0.463	1.22	0.797	1.15	0.049	---	---	23
24	---	---	0.614B	0.400	0.856	0.525	1.08	0.624	1.15	0.050	---	---	24
25	---	---	1.79 B	0.335	0.941	0.718	0.953	0.549	0.994	0.051	---	---	25
26	---	---	1.81 B	0.286	0.938	0.764	0.962	0.699	1.00	0.049	---	---	26
27	---	---	3.63 B	0.238	0.938	0.967	0.869	0.933	0.913	0.043	---	---	27
28	---	---	6.92 B	0.189	1.02	1.34	0.923	1.18	1.07	0.041	---	---	28
29	---		5.92 B	0.160	1.16	1.32	1.07	1.33	1.35	0.037	---	---	29
30	---		5.22 B	0.177	1.31	1.85	1.26	1.38	1.50	0.040	---	---	30
31	---		10.4 B		1.31		1.44	1.58		0.043		---	31
TOTAL	---	---	38.919	77.353	14.101	25.369	60.677	29.929	37.547	11.612	---	---	TOTAL
MEAN	---	---	1.26	2.58	0.455	0.846	1.96	0.965	1.25	0.375	---	---	MEAN
MAX	---	---	10.4	12.1	1.31	1.85	3.39	1.58	1.78	1.82	---	---	MAX
MIN	---	---	0	0.160	0.004	0.463	0.869	0.520	0.913	0.037	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.21
MAXIMUM DAILY, 12.1B ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.1B AT 22:59 MST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 00 N
LONG 112 45 40 W
DRAINAGE AREA, 1 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1914

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 240
FEB	---	AUG	2 590
MAR	3 360	SEP	3 240
APR	6 680	OCT	1 000
MAY	1 220	NOV	---
JUN	2 190	DEC	---

TOTAL DISCHARGE, 25 500 dam³

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.30B	1.29B	1.29	1.31B	3.90	11.5 E	10.7	3.92	2.10	2.41	2.13	1.58	1
2	1.24B	1.30B	1.15B	1.18B	4.82	12.1 E	10.1	3.84	2.00	2.37	2.09	1.36	2
3	1.20B	1.28B	1.17	1.17B	5.58	12.7 E	9.53	3.76	1.97	2.38	2.08	1.59	3
4	1.17B	1.28B	1.14	1.16B	4.92	13.1 E	8.82	3.63	2.44	2.32	2.16	1.99	4
5	1.15B	1.29B	1.21B	1.17B	4.59	13.7 E	8.22	3.45	2.46	2.31	2.20	1.76	5
6	1.13B	1.29B	1.25	1.26	4.59	14.1 E	7.78	3.34	2.29	2.30	2.13	1.44	6
7	1.12B	1.30B	1.22	1.23B	4.76	13.7 E	7.44	3.18	2.23	2.27	2.05	1.39B	7
8	1.11B	1.29B	1.15B	1.19B	4.98	12.7 A	7.24	3.18	2.12	2.25	1.83B	1.26B	8
9	1.10B	1.27B	1.21	1.24	4.62	9.82A	7.08	3.38	2.12	2.24	1.92	1.30	9
10	1.09B	1.30B	1.23	1.31	4.35	10.5	6.81	3.44	2.39	2.21	1.79B	1.33B	10
11	1.08B	1.30B	1.22	1.55	4.37	11.8	6.65	3.27	2.36	2.22	1.79B	1.33	11
12	1.10B	1.30B	1.06	1.84	4.98	12.8	6.48	3.31	2.34	2.13	1.67B	1.40	12
13	1.13B	1.33B	1.25	1.76	5.77	14.2	6.38	3.27	2.36	2.10	1.73B	1.47	13
14	1.16B	1.37B	1.24	1.78	6.98	15.5	6.72	3.31	2.28	2.11	1.67B	1.48	14
15	1.18B	1.46B	1.23	1.67	8.58	15.0	6.61	3.25A	2.26	2.14	1.61B	1.48	15
16	1.20B	1.62B	1.20	1.65	9.87	14.0	6.30	3.17E	2.20	2.13	1.57	1.53	16
17	1.18B	1.75A	1.17	1.68	11.0	13.5	5.92	3.09E	2.23	2.14	1.80B	1.55	17
18	1.13B	1.66	1.16	1.69	12.7	13.0	5.62	3.01E	2.17	2.12	1.78	1.52	18
19	1.06B	1.51	1.16	1.63	12.7	13.0	5.45	2.93E	2.17	2.09	1.50	1.47	19
20	1.03B	1.60	1.23	1.61	12.5	13.2	5.49	2.85E	2.25	2.10	1.43	1.43	20
21	1.02B	2.66	1.27	1.72	13.3	13.2	5.43	2.78E	2.25	2.06	1.36	1.40	21
22	1.02B	1.76	1.27	1.96	15.2	12.8	5.20	2.70E	2.13	2.09	1.39B	1.37	22
23	1.02B	1.58	1.29	2.40	15.8 E	11.7	4.98	2.62E	2.11	2.74	1.39	1.36	23
24	1.03B	1.37	1.26	2.76	14.9 E	11.1	4.77	2.54A	2.11	2.49	1.21	1.13B	24
25	1.05B	1.40B	1.18B	2.72	15.7 E	10.7	4.60	2.41	2.11	2.35	1.26	1.18	25
26	1.09B	1.41B	1.33	2.83	16.8 E	10.8	4.52	2.44	2.46	2.30	1.36	1.29	26
27	1.14B	1.36	1.43	3.04	15.1 E	11.2	4.40	2.41	2.45	2.28	1.43	1.28	27
28	1.19B	1.32	1.38	3.43	13.6 E	10.9	4.29	2.26	2.57	2.21	1.48	1.24	28
29	1.19B		1.40	3.68	12.4 E	10.4	4.19	2.26	2.52	2.20	1.51	1.24	29
30	1.22B		1.36	3.63	11.5 E	10.9	4.09	2.26	2.43	2.19	1.52	1.22	30
31	1.25B		1.33		11.2 E		4.02	2.15		2.13		1.22B	31
TOTAL	35.08	40.65	38.44	57.25	292.06	373.62	195.83	93.41	67.88	69.38	50.84	43.51	TOTAL
MEAN	1.13	1.45	1.24	1.91	9.42	12.5	6.32	3.01	2.26	2.24	1.69	1.40	MEAN
MAX	1.30	2.66	1.43	3.68	16.8	15.5	10.7	3.92	2.57	2.74	2.20	1.99	MAX
MIN	1.02	1.27	1.06	1.16	3.90	9.82	4.02	2.15	1.97	2.06	1.21	1.13	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.72
MAXIMUM DAILY, 16.8E ON MAY 26
MINIMUM DAILY, 1.02B ON JAN 21

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 49 N
LONG 114 24 33 W
DRAINAGE AREA, 401 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 030	JUL	16 900
FEB	3 510	AUG	8 070
MAR	3 320	SEP	5 860
APR	4 950	OCT	5 990
MAY	25 200	NOV	4 390
JUN	32 300	DEC	3 760

TOTAL DISCHARGE, 117 000 dam³

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	8.00B	11.6	3.20E	7.50E	7.68	7.64	---	---	1
2	---	---	---	---	7.42B	14.0	3.00E	55.9 E	6.61	7.29	---	---	2
3	---	---	---	---	7.00B	15.2	3.25E	182 A	5.68	6.58	---	---	3
4	---	---	---	---	6.80B	12.1	3.65E	109 E	5.46	5.74	---	---	4
5	---	---	---	---	7.22B	10.5	5.20E	47.3 A	8.46	5.08	---	---	5
6	---	---	---	---	8.00B	11.2	10.0 E	12.9 E	7.88	4.75	---	---	6
7	---	---	---	---	10.0 E	10.9	8.35E	10.0 E	6.57	4.46	---	---	7
8	---	---	---	---	12.5 E	10.0	7.05E	8.10E	5.78	4.17	---	---	8
9	---	---	---	---	16.0 E	9.35	6.25E	7.55E	5.61	3.92	---	---	9
10	---	---	---	---	20.5 E	8.60	5.40E	7.10E	5.66	3.84	---	---	10
11	---	---	---	---	25.0 E	7.99	4.80E	6.80E	5.71	3.82	---	---	11
12	---	---	---	---	32.5 E	7.06	4.40E	6.50E	5.71	3.69	---	---	12
13	---	---	---	---	35.1 A	6.48	5.00E	6.30E	5.69	3.55	---	---	13
14	---	---	---	---	36.8	6.25	8.22E	6.10E	5.34	3.45	---	---	14
15	---	---	---	---	43.1	5.73	506 A	6.00E	5.02	3.35	---	---	15
16	---	---	---	---	50.6	5.08	338 E	10.0 E	4.94	3.30	---	---	16
17	---	---	---	---	54.6	4.53	76.9 A	18.0 E	4.51	3.34	---	---	17
18	---	---	---	---	54.2	4.13	36.2 E	15.5 E	4.10	3.30	---	---	18
19	---	---	---	---	40.7	3.78	25.1 A	13.0 E	3.82	3.23B	---	---	19
20	---	---	---	---	32.8	4.26	20.5 E	10.0 E	3.64	3.43B	---	---	20
21	---	---	---	---	31.7	4.34	16.0 E	9.00E	3.59	3.94	---	---	21
22	---	---	---	---	33.4	3.89	13.2 E	7.50E	3.64	3.63	---	---	22
23	---	---	---	---	29.5	3.55A	11.0 E	6.37A	3.81	3.80	---	---	23
24	---	---	---	---	23.2	3.48E	9.45E	7.20E	3.50	4.15	---	---	24
25	---	---	---	---	25.0	3.40E	8.55E	8.75A	3.35	4.28	---	---	25
26	---	---	---	---	18.1	3.37E	7.80E	9.19	3.69	4.21	---	---	26
27	---	---	---	---	14.9	3.32E	7.25E	8.59	4.23	4.03A	---	---	27
28	---	---	---	---	12.6	3.50E	6.75E	8.00	5.66	3.70E	---	---	28
29	---		---	---	11.4	3.60E	6.35E	7.16	8.43	3.45E	---	---	29
30	---		---	---	11.0	3.35E	6.05E	9.58	8.36	3.20E	---	---	30
31	---		---		10.9		6.00E	9.25		3.40E		---	31
TOTAL	---	---	---	---	730.54	204.54	1 178.87	636.14	162.13	129.74	---	---	TOTAL
MEAN	---	---	---	---	23.6	6.82	38.0	20.5	5.40	4.19	---	---	MEAN
MAX	---	---	---	---	54.6	15.2	506	182	8.46	7.64	---	---	MAX
MIN	---	---	---	---	6.80	3.32	3.00	6.00	3.35	3.20	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.5
MAXIMUM DAILY, 506A ON JUL 15
MINIMUM DAILY, 3.00E ON JUL 2
MAXIMUM INSTANTANEOUS,
800 AT 19:00 MST ON JUL 15

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 20 N
LONG 118 56 00 W
DRAINAGE AREA, 842 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	102 000
FEB	---	AUG	55 000
MAR	---	SEP	16 000
APR	---	OCT	11 200
MAY	63 100	NOV	---
JUN	17 700	DEC	---

TOTAL DISCHARGE, 263 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.075B	6.45	0.892E	0.043	0.046E	0.019E	0.003E	---	---	1
2	---	---	0 B	0.080B	6.14	0.835E	0.040	0.045	0.019E	0.003E	---	---	2
3	---	---	0 B	0.087B	5.79	0.779E	0.121	0.049	0.018E	0.002E	---	---	3
4	---	---	0 B	0.095B	5.51	0.723E	0.124	0.051	0.017E	0.002E	---	---	4
5	---	---	0 B	0.100B	5.00	0.666E	0.121	0.042	0.017E	0.001	---	---	5
6	---	---	0 B	0.106B	4.76	0.610	0.124	0.040	0.016E	0.001E	---	---	6
7	---	---	0 B	0.115B	4.17	0.595	0.121	0.038	0.016E	0.001E	---	---	7
8	---	---	0 B	0.123B	3.96	0.570	0.064	0.037E	0.015E	0.001E	---	---	8
9	---	---	0 B	0.130B	3.51	0.491	0.059	0.036E	0.015E	0.001E	---	---	9
10	---	---	0 B	0.140B	3.23	0.455	0.088E	0.036E	0.014E	0.001E	---	---	10
11	---	---	0 B	0.146B	3.06	0.448	0.117	0.035E	0.014E	0.001E	---	---	11
12	---	---	0 B	0.156B	2.79	0.407	0.113	0.034E	0.013E	0.001E	---	---	12
13	---	---	0.001B	0.165B	2.65	0.378	0.033	0.033E	0.013E	0.001E	---	---	13
14	---	---	0.002B	0.175B	2.45	0.357	0.040E	0.033E	0.012E	0.001E	---	---	14
15	---	---	0.003B	0.185B	2.28	0.339	0.047E	0.032E	0.012E	0.001E	---	---	15
16	---	---	0.005B	0.195B	2.07	0.314	0.054E	0.031E	0.011E	0 E	---	---	16
17	---	---	0.006B	0.210B	1.95	0.233	0.061E	0.030E	0.011E	0 E	---	---	17
18	---	---	0.010B	0.218B	1.74	0.217	0.068E	0.030E	0.010E	0 E	---	---	18
19	---	---	0.012B	1.79 B	1.73	0.197	0.075E	0.029E	0.010E	0 E	---	---	19
20	---	---	0.015B	4.75 B	1.52	0.164	0.082E	0.028E	0.009E	0 E	---	---	20
21	---	---	0.017B	9.29	1.32	0.144	0.089E	0.027E	0.008E	0 E	---	---	21
22	---	---	0.020B	10.8	1.16	0.126	0.096E	0.027E	0.008E	0 E	---	---	22
23	---	---	0.025B	11.3	1.14	0.126	0.103	0.026E	0.007E	0 E	---	---	23
24	---	---	0.030B	9.04	1.16	0.115	0.159	0.025E	0.007E	0 E	---	---	24
25	---	---	0.035B	8.22	1.12	0.115	0.053	0.024E	0.006E	0 E	---	---	25
26	---	---	0.040B	8.04	1.07	0.062	0.049	0.023E	0.006E	0 E	---	---	26
27	---	---	0.045B	7.59	1.05	0.062	0.048E	0.023E	0.005E	0 E	---	---	27
28	---	---	0.050B	7.18	1.03	0.056	0.048E	0.022E	0.005E	0 E	---	---	28
29	---		0.057B	6.58	0.982	0.053	0.047E	0.021E	0.004E	0 E	---	---	29
30	---		0.060B	6.51	0.963	0.048	0.047E	0.020E	0.004E	0 E	---	---	30
31	---		0.065B		0.948		0.046E	0.020		0 E	---	---	31
TOTAL	---	---	0.498	93.591	82.703	10.575	2.380	0.993	0.341	0.021	---	---	TOTAL
MEAN	---	---	0.016	3.12	2.67	0.353	0.077	0.032	0.011	0.001	---	---	MEAN
MAX	---	---	0.065	11.3	6.45	0.892	0.159	0.051	0.019	0.003	---	---	MAX
MIN	---	---	0	0.075	0.948	0.048	0.033	0.020	0.004	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.780
MAXIMUM DAILY, 11.3 ON APR 23
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 18 30 N
LONG 113 50 55 W
DRAINAGE AREA, 562 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	206
FEB	---	AUG	85.8
MAR	43.0	SEP	29.5
APR	8 090	OCT	1.81
MAY	7 150	NOV	---
JUN	914	DEC	---

TOTAL DISCHARGE, 16 500 dam³

DEER CREEK (MAIN STEM) - STATION NO. 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0 B	0.035	0.052	0.047	0.020	0.018	---	---	1
2	---	---	0B	0B	0.003B	0.032	0.056	0.046	0.018	0.017	---	---	2
3	---	---	0B	0B	0.006B	0.031	0.063	0.045	0.017	0.018	---	---	3
4	---	---	0B	0B	0.009B	0.026	0.136	0.044	0.021	0.016	---	---	4
5	0B	---	0B	0B	0.012B	0.031	0.128	0.042	0.019	0.014	---	---	5
6	---	---	0B	0B	0.012B	0.039	0.106	0.041	0.017	0.014	---	---	6
7	---	---	0B	0B	0.012B	0.042	0.104	0.040	0.016	0.013	---	---	7
8	---	---	0B	0B	0.012B	0.041	0.099	0.039	0.015	0.012	---	---	8
9	---	---	0B	0B	0.012B	0.036	0.093	0.039	0.015	0.012	---	---	9
10	---	---	0B	0B	0.012B	0.031	0.084	0.037	0.017	0.011	---	---	10
11	---	---	0B	0B	0.035B	0.030	0.077	0.034	0.015	0.011	---	---	11
12	---	---	0B	0B	0.059B	0.029	0.074	0.032	0.015	0.011	---	---	12
13	---	---	0B	0B	0.061B	0.027	0.066	0.030	0.014	0.011	---	---	13
14	---	---	0B	0B	0.062B	0.030	0.060	0.034	0.014	0.010	---	---	14
15	---	---	0B	0B	0.063B	0.029	0.056	0.030	0.014	0.010	---	---	15
16	---	---	0B	0B	0.064B	0.029	0.054	0.027	0.015	0.009	---	0.004A	16
17	---	---	0B	0B	0.065B	0.026	0.052	0.025	0.013	0.009	---	---	17
18	---	---	0B	0B	0.045B	0.024	0.050	0.023	0.013	0.009	---	---	18
19	---	---	0B	0B	0.030B	0.023	0.048	0.022	0.012	0.009	---	---	19
20	---	---	0B	0B	0.026B	0.023	0.082	0.023	0.012	0.009	---	---	20
21	---	---	0B	0B	0.025B	0.022	0.085	0.022	0.011	0.009	---	---	21
22	---	---	0B	0B	0.024B	0.027	0.073	0.021	0.011	0.009	---	---	22
23	---	---	0B	0B	0.022B	0.030	0.056	0.021	0.010	0.009	---	---	23
24	---	---	0B	0B	0.021B	0.026	0.063	0.021	0.009	0.008	---	---	24
25	---	---	0B	0B	0.020	0.026	0.074	0.023	0.009	0.008	0.004A	---	25
26	---	---	0B	0B	0.021	0.028	0.058	0.041	0.036	0.008	---	---	26
27	0B	---	0B	0B	0.071	0.082	0.054	0.034	0.024	0.007	---	---	27
28	---	---	0B	0B	0.063	0.119	0.052	0.038	0.020	0.007A	---	---	28
29	---		0B	0B	0.057	0.071	0.051	0.029	0.020	0.007E	---	---	29
30	---		0B	0B	0.055	0.056	0.049	0.025	0.018	0.007E	---	---	30
31	---		0B		0.045		0.049	0.022		0.007E		---	31
TOTAL	---	---	0	0	1.024	1.101	2.202	0.997	0.480	0.329	---	---	TOTAL
MEAN	---	---	0	0	0.033	0.037	0.071	0.032	0.016	0.011	---	---	MEAN
MAX	---	---	0	0	0.071	0.119	0.136	0.047	0.036	0.018	---	---	MAX
MIN	---	---	0	0	0	0.022	0.048	0.021	0.009	0.007	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.136 ON JUL 4
MINIMUM DAILY, 0B ON JAN 5
MAXIMUM INSTANTANEOUS,
0.239 AT 18:54 MST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 25 N
LONG 115 08 00 W
DRAINAGE AREA, 5.44 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	190
FEB	---	AUG	86.1
MAR	0	SEP	41.5
APR	0	OCT	20.4
MAY	88.5	NOV	---
JUN	95.1	DEC	---

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.003B	0.272B	0.361	0.225	0.314	0.230	0.273	0.102B	---	1
2	---	---	---	0.003B	0.290B	0.383	0.230	0.269	0.211	0.384	0.096B	---	2
3	---	---	---	0.003B	0.260B	0.278	0.569	0.227	0.198	0.544	0.101B	---	3
4	---	---	---	0.003B	0.240B	0.222	3.13	0.198	0.332	0.478	---	---	4
5	---	---	---	0.003B	0.299B	0.453	3.62	0.177	0.312	0.420	---	---	5
6	---	---	---	0.005B	0.215B	0.596	1.98	0.161	0.254	0.390	---	---	6
7	---	---	---	0.005B	0.222B	0.484	1.46	0.150	0.230	0.368	---	---	7
8	---	---	---	0.005B	0.250B	0.614	1.08	0.142	0.216	0.331	---	---	8
9	---	---	---	0.005B	0.290B	0.936	0.819	0.233	0.207	0.313	---	---	9
10	---	---	---	0.005B	0.365B	0.678	0.643	0.432	0.202	0.325	---	---	10
11	---	---	---	0.005B	0.508B	0.598	0.521	0.301	0.193	0.356	---	---	11
12	---	---	---	0.005B	0.406B	0.401	0.447	0.262	0.226	0.335	---	---	12
13	---	---	---	0.005B	0.366B	0.375	0.408	0.215	0.223	0.330	---	---	13
14	---	---	---	0.005B	0.339B	0.345	0.696	0.244	0.204	0.313	---	---	14
15	---	---	---	0.005B	0.334B	0.318	1.03	0.291	0.195	0.293	---	---	15
16	---	---	---	0.005B	0.352B	0.282	0.720	0.260	0.191	0.277	---	---	16
17	---	---	---	0.005B	0.345B	0.247	0.565	0.227	0.179	0.261	---	---	17
18	---	---	---	0.005B	0.321B	0.218	0.506	0.209	0.169	0.233B	---	---	18
19	---	---	---	0.012B	0.280B	0.199	0.761	0.197	0.161	0.207B	---	---	19
20	---	---	---	0.020B	0.243	0.186	0.625	0.189	0.156	0.196B	---	---	20
21	---	---	---	0.200B	0.235	0.173	0.572	0.188	0.152	0.188B	---	---	21
22	---	---	---	0.310B	0.226	0.174	0.562	0.268	0.148A	0.181B	---	---	22
23	---	---	---	0.335B	0.216	0.165	0.474	0.212	0.145E	0.201B	---	---	23
24	---	---	---	0.332B	0.215	0.154	0.487	0.186	0.130E	0.164B	---	---	24
25	---	---	---	0.325B	0.218	0.154	0.445	0.194	0.115E	0.147B	---	---	25
26	---	---	---	0.314B	0.260	0.162	0.356	0.301	0.175E	0.137B	---	---	26
27	---	---	---	0.298B	0.506	0.217	0.306	0.274	0.200E	0.122B	---	---	27
28	---	---	---	0.285B	0.473A	0.364	0.270	0.358	0.250E	0.115B	---	---	28
29	---		---	0.268B	0.616	0.273	0.230	0.284	0.294A	0.115B	---	---	29
30	---		---	0.262B	0.572	0.246	0.201	0.280	0.272	0.103B	---	---	30
31	---		---		0.425		0.183	0.257		0.112B		---	31
TOTAL	---	---	---	3.041	10.159	10.216	28.121	7.500	6.170	8.212	---	---	TOTAL
MEAN	---	---	---	0.101	0.328	0.341	0.778	0.242	0.206	0.265	---	---	MEAN
MAX	---	---	---	0.335	0.616	0.936	3.62	0.432	0.332	0.544	---	---	MAX
MIN	---	---	---	0.003	0.215	0.154	0.183	0.142	0.115	0.103	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.329
MAXIMUM DAILY, 3.62 ON JUL 5
MINIMUM DAILY, 0.003B ON APR 1
MAXIMUM INSTANTANEOUS,
5.47 AT 15:30 MST ON JUL 4

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 20 N
LONG 117 14 36 W
DRAINAGE AREA, 14.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 080
FEB	---	AUG	648
MAR	---	SEP	533
APR	263	OCT	710
MAY	878	NOV	---
JUN	883	DEC	---

TOTAL DISCHARGE, 6 000 dam³

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.312B	0.240B	0.271B	0.412B	2.21B	5.30	1.94	1.01	0.001	0.046	0.104B	0.150B	1
2	0.310B	0.240B	0.273B	0.411B	2.93B	5.08	1.92	0.974	0.001	0.062	0.097B	0.152B	2
3	0.305B	0.240B	0.276B	0.410B	3.34B	5.28	1.91	0.960	0.001	0.064	0.087B	0.155B	3
4	0.300B	0.240B	0.280B	0.409B	4.16	5.00	1.90	0.930	0.001	0.078	0.088B	0.158B	4
5	0.298B	0.240B	0.282B	0.408B	4.12	4.80	1.88	0.900	0.001	0.103	0.088B	0.160B	5
6	0.295B	0.240B	0.288B	0.405B	3.80	4.69	1.84	0.875	0.001	0.145	0.089B	0.162B	6
7	0.290B	0.241B	0.293B	0.400B	4.07	4.50	1.84	0.844	0.001	0.160	0.092B	0.165B	7
8	0.287B	0.241B	0.300B	0.395B	3.79	4.22	1.78	0.821	0.001	0.208	0.092B	0.168B	8
9	0.282B	0.241B	0.310B	0.390B	3.63	4.19	1.72	0.790	0.001	0.332	0.091B	0.171B	9
10	0.278B	0.242B	0.318B	0.386B	3.53	4.06	1.69	0.753	0.001	0.327	0.089B	0.174B	10
11	0.274B	0.242B	0.323B	0.380B	3.64	3.85	1.66	0.707	0.002	0.307	0.086B	0.178B	11
12	0.270B	0.243B	0.331B	0.373B	3.80	3.76	1.65	0.684	0.009	0.307	0.080B	0.180B	12
13	0.269B	0.244B	0.338B	0.369B	3.78	3.66	1.60	0.649	0.014	0.313	0.076B	0.182B	13
14	0.265B	0.245B	0.344B	0.366B	3.72	3.53	1.57	0.617	0.012	0.231B	0.074B	0.185B	14
15	0.263B	0.247B	0.350B	0.365B	3.67	3.39	1.52	0.565	0.009	0.043B	0.073B	0.188B	15
16	0.261B	0.248B	0.357B	0.367B	3.90	3.34	1.49	0.512	0.008	0.034B	0.074B	0.190B	16
17	0.260B	0.249B	0.364B	0.370B	4.89	3.20	1.44	0.458	0.008	0.037B	0.076B	0.191B	17
18	0.259B	0.250B	0.370B	0.377B	6.51	3.11	1.41	0.362	0.008	0.055B	0.080B	0.195B	18
19	0.256B	0.252B	0.376B	0.385B	6.33	3.41	1.36	0.259	0.008	0.070B	0.089B	0.200B	19
20	0.254B	0.254B	0.383B	0.395B	6.12	3.10	1.34	0.169	0.008	0.074B	0.098B	0.204B	20
21	0.252B	0.255B	0.388B	0.435B	5.92	2.73	1.35	0.094	0.009	0.076B	0.115B	0.209B	21
22	0.250B	0.257B	0.392B	0.598B	5.81	2.82	1.32	0.041	0.009	0.078B	0.121B	0.214B	22
23	0.249B	0.259B	0.395B	0.800B	6.09	2.68	1.23	0.011	0.010	0.090B	0.128B	0.219B	23
24	0.248B	0.260B	0.400B	0.987B	6.31	2.49	1.17	0.004	0.011	0.108B	0.132B	0.224B	24
25	0.246B	0.261B	0.404B	1.20 B	6.39	2.34	1.16	0.002	0.012	0.115B	0.135B	0.229B	25
26	0.245B	0.262B	0.407B	1.44 B	6.51	2.25	1.16	0.002	0.012	0.122B	0.138B	0.232B	26
27	0.244B	0.266B	0.408B	1.04 B	6.49	2.19	1.13	0.002	0.014	0.126B	0.140B	0.240B	27
28	0.243B	0.270B	0.409B	0.722B	6.31	2.14	1.12	0.002	0.016	0.120B	0.142B	0.245B	28
29	0.242B		0.411B	0.639B	6.08	2.06	1.10	0.002	0.019	0.118B	0.145B	0.250B	29
30	0.241B		0.412B	1.40 B	5.88	2.00	1.06	0.001	0.026	0.115B	0.148B	0.257B	30
31	0.240B		0.412B		5.64		1.02	0.001		0.111B		0.263B	31
TOTAL	8.288	6.969	10.865	17.034	149.37	105.17	46.28	14.001	0.234	4.175	3.069	6.098	TOTAL
MEAN	0.267	0.249	0.350	0.568	4.82	3.51	1.49	0.452	0.008	0.135	0.102	0.196	MEAN
MAX	0.312	0.270	0.412	1.44	6.51	5.30	1.94	1.01	0.026	0.332	0.148	0.263	MAX
MIN	0.240	0.240	0.271	0.365	2.21	2.00	1.02	0.001	0.001	0.034	0.073	0.150	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 6.51 ON MAY 18
MINIMUM DAILY, 0.001 ON AUG 30

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 35 N
LONG 111 31 15 W
DRAINAGE AREA, 2 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	716	JUL	4 000
FEB	602	AUG	1 210
MAR	938	SEP	20.2
APR	1 470	OCT	361
MAY	12 900	NOV	265
JUN	9 090	DEC	526

TOTAL DISCHARGE, 32 100 dam³

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.013	0.118	0.564	0.584	0.065	0.138	0.019B	---	1
2	---	---	---	---	0.012	0.044	0.693	0.891	0.117	0.136	0.018B	---	2
3	---	---	---	---	0.011	0.018	0.804	0.848	0.048	0.112	0.013B	---	3
4	---	---	---	---	0.009	0.020	0.638	0.887	0.054	0.115	---	---	4
5	---	---	---	---	0.011	0.023	1.16	0.871	0.068	0.104	---	---	5
6	---	---	---	---	0.012	0.036	1.23	0.950	0.179	0.141	---	---	6
7	---	---	---	---	0.014	0.043	1.06	0.881	0.309	0.101	---	---	7
8	---	---	---	---	0.016	0.046	0.553	0.958	0.248	0.068	---	---	8
9	---	---	---	---	0.014	0.033	0.465	1.03	0.169	0.040	---	---	9
10	---	---	---	---	0.013	0.012	0.558	1.06	0.113	0.067	---	---	10
11	---	---	---	---	0.012	0.012	0.589	0.589	0.170	0.067	---	---	11
12	---	---	---	---	0.011	0.045	0.531	0.234	0.174	0.058	---	---	12
13	---	---	---	---	0.010	0.029	0.611	0.246	0.368	0.041	---	---	13
14	---	---	---	---	0.008	0.066	0.518	0.295	0.105	0.041	---	---	14
15	---	---	---	---	0.007	0.105	0.655	0.257	0.118	0.032	---	---	15
16	---	---	---	---	0.007	0.164	0.756	0.226	0.163	0.024	---	---	16
17	---	---	---	---	0.007	0.233	0.821	0.252	0.163	0.022	---	---	17
18	---	---	---	---	0.007	0.305	0.928	0.294	0.144	0.024	---	---	18
19	---	---	---	---	0.016	0.309	0.952	0.459	0.207	0.026	---	---	19
20	---	---	---	---	0.017	0.176	0.652	0.601	0.167	0.024	---	---	20
21	---	---	---	---	0.010	0.165	0.782	0.689	0.134	0.027	---	---	21
22	---	---	---	---	0.007	0.135	0.669	0.607	0.181	0.036	---	---	22
23	---	---	---	---	0.005	0.170	0.958	0.736	0.129	0.051	---	---	23
24	---	---	---	---	0.004	0.295	0.880	0.361	0.142	0.034	---	---	24
25	---	---	---	---	0.078	0.281	1.07	0.402	0.102	0.026	---	---	25
26	---	---	---	---	0.149	0.577	1.23	0.405	0.090	0.025	---	---	26
27	---	---	---	---	0.114	0.722	1.15	0.094	0.443	0.041	---	---	27
28	---	---	---	0.018A	0.170	0.684	0.758	0.080	0.485	0.034	---	---	28
29	---		---	0.020	0.254	0.813	0.853	0.068	0.470	0.030	---	---	29
30	---		---	0.014	0.265	0.521	0.595	0.054	0.164	0.025	---	---	30
31	---		---		0.187		0.625	0.052		0.020B		---	31
TOTAL	---	---	---	---	1.470	6.196	24.228	15.881	5.489	1.730	---	---	TOTAL
MEAN	---	---	---	---	0.047	0.207	0.782	0.512	0.183	0.056	---	---	MEAN
MAX	---	---	---	---	0.265	0.813	1.23	1.06	0.485	0.141	---	---	MAX
MIN	---	---	---	---	0.004	0.012	0.465	0.052	0.048	0.020	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.299
MAXIMUM DAILY, 1.23 ON JUL 6
MINIMUM DAILY, 0.004 ON MAY 24

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 40 N
LONG 111 24 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 090
FEB	---	AUG	1 370
MAR	---	SEP	474
APR	---	OCT	189
MAY	127	NOV	---
JUN	535	DEC	---

TOTAL DISCHARGE, 4 750 dam³

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.373	0.366	0.145	0.262	0.363	0.200B	---	1
2	---	---	---	---	0	0.388	0.330	0.219	0.256	0.364	0.040B	---	2
3	---	---	---	---	0	0.322	0.291	0.131	0.183	0.263	0.002B	---	3
4	---	---	---	---	0	0.220	0.121	0.273	0.183	0.365	---	---	4
5	---	---	---	---	0	0.246	0.259	0.282	0.194	0.313	---	---	5
6	---	---	---	---	0	0.383	0.109	0.116	0.213	0.266	---	---	6
7	---	---	---	---	0	0.465	0.282	0.172	0.219	0.213	---	---	7
8	---	---	---	---	0	0.597	0.205	0.210	0.216	0.266	---	---	8
9	---	---	---	---	0	0.305	0.125	0.286	0.238	0.357	---	---	9
10	---	---	---	---	0	0.242	0.161	0.305	0.255	0.234	---	---	10
11	---	---	---	---	0	0.078	0.040	0.288	0.291	0.377	---	---	11
12	---	---	---	---	0	0.067	0.086	0.325	0.291	0.391	---	---	12
13	---	---	---	---	0	0.114	0.122	0.252	0.302	0.377	---	---	13
14	---	---	---	---	0.147	0.208	0.081	0.068	0.349	0.358	---	---	14
15	---	---	---	---	0.416	0.196	0.017	0.261	0.353	0.294	---	---	15
16	---	---	---	---	0.438	0.137	0.145	0.190	0.459	0.310	---	---	16
17	---	---	---	---	0.452	0.344	0.243	0.187	0.455	0.370	---	---	17
18	---	---	---	---	0.499	0.282	0.322	0.201	0.365	0.384	---	---	18
19	---	---	---	---	0.469	0.233	0.330	0.159	0.320	0.364	---	---	19
20	---	---	---	---	0.374	0.265	0.183	0.196	0.299	0.367	---	---	20
21	---	---	---	---	0.380	0.313	0.122	0.086	0.323	0.376	---	---	21
22	---	---	---	---	0.381	0.250	0.098	0.305	0.363	0.367	---	---	22
23	---	---	---	---	0.388	0.245	0.114	0.363	0.244	0.368	---	---	23
24	---	---	---	---	0.377	0.275	0.261	0.207	0.179	0.372	---	---	24
25	---	---	---	---	0.297	0.259	0.172	0.283	0.151	0.384	---	---	25
26	---	---	---	---	0.174	0.282	0.088	0.403	0.184	0.392	---	---	26
27	---	---	---	---	0.468	0.313	0.101	0.368	0.416	0.381	---	---	27
28	---	---	---	0A	0.375	0.383	0.081	0.272	0.477	0.386	---	---	28
29	---		---	0	0.366	0.363	0.078	0.314	0.408	0.368A	---	---	29
30	---		---	0	0.565	0.382	0.108	0.347	0.377	0.368E	---	---	30
31	---		---		0.433		0.136	0.301		0.368E		---	31
TOTAL	---	---	---	---	6.999	8.530	5.177	7.511	8.825	10.726	---	---	TOTAL
MEAN	---	---	---	---	0.226	0.284	0.167	0.242	0.294	0.346	---	---	MEAN
MAX	---	---	---	---	0.565	0.597	0.366	0.403	0.477	0.392	---	---	MAX
MIN	---	---	---	---	0	0.067	0.017	0.064	0.151	0.213	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.260
MAXIMUM DAILY, 0.597 ON JUN 8
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 17 N
LONG 111 39 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	447
FEB	---	AUG	649
MAR	---	SEP	762
APR	---	OCT	927
MAY	605	NOV	---
JUN	737	DEC	---

TOTAL DISCHARGE, 4 130 dam³

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.012	0.246	0.397	0.297	0.467	0.466	0.009	---	1
2	---	---	---	---	0.011	0.241	0.755	0.360	0.440	0.463	0.007	---	2
3	---	---	---	---	0.010	0.245	0.535	0.362	0.396	0.453	0.005A	---	3
4	---	---	---	---	0.009	0.236	0.407	0.286	0.311	0.447	---	---	4
5	---	---	---	---	0.010	0.168	0.376	0.274	0.366	0.425	---	---	5
6	---	---	---	---	0.010	0.164	0.347	0.323	0.368	0.436	---	---	6
7	---	---	---	---	0.011	0.351	0.363	0.318	0.389	0.428	---	---	7
8	---	---	---	---	0.014	0.378	0.446	0.285	0.347	0.405	---	---	8
9	---	---	---	---	0.015	0.321	0.424	0.229	0.377	0.393	---	---	9
10	---	---	---	---	0.015	0.279	0.343	0.213	0.384	0.410	---	---	10
11	---	---	---	---	0.013	0.175	0.316	0.293	0.318	0.394	---	---	11
12	---	---	---	---	0.012	0.116	0.317	0.193	0.403	0.289	---	---	12
13	---	---	---	---	0.013	0.112	0.227	0.275	0.477	0.230	---	---	13
14	---	---	---	---	0.011	0.234	0.230	0.185	0.367	0.207	---	---	14
15	---	---	---	---	0.009	0.166	0.243	0.156	0.313	0.192	---	---	15
16	---	---	---	---	0.008	0.298	0.273	0.179	0.433	0.025	---	---	16
17	---	---	---	---	0.028	0.334	0.300	0.216	0.472	0.014	---	---	17
18	---	---	---	---	0.106	0.334	0.361	0.203	0.371	0.015	---	---	18
19	---	---	---	---	0.157	0.365	0.343	0.245	0.354	0.016	---	---	19
20	---	---	---	---	0.113	0.234	0.264	0.260	0.359	0.015	---	---	20
21	---	---	---	---	0.107	0.200	0.200	0.274	0.283	0.017	---	---	21
22	---	---	---	---	0.185	0.124	0.283	0.299	0.286	0.016	---	---	22
23	---	---	---	---	0.232	0.157	0.270	0.244	0.328	0.015	---	---	23
24	---	---	---	---	0.297	0.306	0.192	0.268	0.405	0.013	---	---	24
25	---	---	---	---	0.256	0.303	0.236	0.228	0.387	0.012	---	---	25
26	---	---	---	---	0.373	0.224	0.465	0.296	0.461	0.012	---	---	26
27	---	---	---	---	0.256	0.130	0.421	0.371	0.505	0.011	---	---	27
28	---	---	---	0.014A	0.232	0.171	0.493	0.394	0.619	0.009	---	---	28
29	---		---	0.013	0.279	0.217	0.372	0.382	0.577	0.009	---	---	29
30	---		---	0.011	0.202	0.254	0.364	0.402	0.481	0.008	---	---	30
31	---		---		0.220		0.211	0.417		0.008		---	31
TOTAL	---	---	---	---	3.226	7.083	10.774	8.725	12.004	5.849	---	---	TOTAL
MEAN	---	---	---	---	0.104	0.236	0.348	0.281	0.400	0.189	---	---	MEAN
MAX	---	---	---	---	0.373	0.378	0.755	0.417	0.619	0.466	---	---	MAX
MIN	---	---	---	---	0.008	0.112	0.192	0.156	0.283	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.259
MAXIMUM DAILY, 0.755 ON JUL 2
MINIMUM DAILY, 0.008 ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 50 N
LONG 112 00 49 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	931
FEB	---	AUG	754
MAR	---	SEP	1 040
APR	---	OCT	505
MAY	279	NOV	---
JUN	612	DEC	---

TOTAL DISCHARGE, 4 120 dam³

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.009	0.207E	0.555E	0.458	0.390E	0.543	0.015	---	1
2	---	---	---	---	0.008	0.195A	0.515E	0.517	0.482A	0.542	0.017	---	2
3	---	---	---	---	0.009	0.214	0.480E	0.468	0.382	0.522	0.017	---	3
4	---	---	---	---	0.010	0.287	0.350E	0.422	0.379	0.531	0.018A	---	4
5	---	---	---	---	0.011	0.395	0.300E	0.440	0.437	0.524	---	---	5
6	---	---	---	---	0.012	0.451	0.280E	0.413	0.391	0.527	---	---	6
7	---	---	---	---	0.013	0.431	0.310E	0.457	0.355	0.543	---	---	7
8	---	---	---	---	0.016A	0.378	0.335E	0.472	0.377	0.517	---	---	8
9	---	---	---	---	0.020E	0.312	0.320E	0.454	0.328	0.518	---	---	9
10	---	---	---	---	0.018E	0.271	0.290E	0.413	0.257	0.529	---	---	10
11	---	---	---	---	0.024E	0.238	0.255E	0.405	0.269	0.439	---	---	11
12	---	---	---	---	0.029E	0.238	0.240E	0.432	0.271	0.317	---	---	12
13	---	---	---	---	0.026E	0.295	0.224A	0.482	0.308	0.111	---	---	13
14	---	---	---	---	0.037E	0.294	0.360	0.450	0.370E	0.042	---	---	14
15	---	---	---	---	0.035E	0.371	0.371	0.425	0.440E	0.026	---	---	15
16	---	---	---	---	0.031E	0.320	0.407	0.495	0.430E	0.018	---	---	16
17	---	---	---	---	0.033A	0.341	0.446	0.530E	0.410E	0.016	---	---	17
18	---	---	---	---	0.030	0.327	0.419	0.480E	0.380E	0.038	---	---	18
19	---	---	---	---	0.037	0.277	0.446	0.440E	0.365E	0.030	---	---	19
20	---	---	---	---	0.089	0.276	0.362	0.410E	0.350E	0.023	---	---	20
21	---	---	---	---	0.123	0.313	0.328	0.440E	0.330E	0.022	---	---	21
22	---	---	---	---	0.153	0.361	0.368	0.470E	0.300E	0.019	---	---	22
23	---	---	---	---	0.190	0.351	0.358	0.490E	0.280E	0.015	---	---	23
24	---	---	---	---	0.198	0.309	0.424	0.470E	0.343A	0.014	---	---	24
25	---	---	---	---	0.193	0.256	0.441	0.460E	0.420E	0.017	---	---	25
26	---	---	---	---	0.238	0.255	0.538	0.480E	0.500E	0.014	---	---	26
27	---	---	---	---	0.258	0.297	0.412	0.350E	0.830E	0.013	---	---	27
28	---	---	---	0.088A	0.245	0.413A	0.427	0.295E	0.737A	0.014	---	---	28
29	---		---	0.007	0.228	0.520E	0.438	0.325E	0.651	0.013	---	---	29
30	---		---	0.007	0.208A	0.620E	0.383	0.315E	0.597	0.012	---	---	30
31	---		---		0.219E		0.301	0.300E		0.012		---	31
TOTAL	---	---	---	---	2.750	9.813	11.683	13.458	12.359	6.521	---	---	TOTAL
MEAN	---	---	---	---	0.089	0.327	0.377	0.434	0.412	0.210	---	---	MEAN
MAX	---	---	---	---	0.258	0.620	0.555	0.530	0.830	0.543	---	---	MAX
MIN	---	---	---	---	0.008	0.195	0.224	0.295	0.257	0.012	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.308
MAXIMUM DAILY, 0.830E ON SEP 27
MINIMUM DAILY, 0.008 ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 30 N
LONG 112 10 45 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 010
FEB	---	AUG	1 160
MAR	---	SEP	1 070
APR	---	OCT	563
MAY	238	NOV	---
JUN	848	DEC	---

TOTAL DISCHARGE, 4 890 dam³

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05PA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.42	0.052	0.268	2.27	0.189	0.045	0.105	---	1
2	---	---	0B	0 B	2.44	0.041	0.599	2.16	0.206	0.056	0.375	---	2
3	---	---	0B	0 B	1.19	0.034	1.65	1.95	0.184	0.110	0.089	---	3
4	---	---	0B	0 B	1.08	0.033	3.07	1.75	0.223	0.097	0.071A	---	4
5	---	---	0B	0 B	1.95	0.073	5.57 E	1.61	0.205	0.086	---	---	5
6	---	---	0B	0 B	1.80	0.071	7.40 E	1.52	0.228	0.074	---	---	6
7	---	---	0B	0 B	1.29	0.052	7.41 E	1.29	0.203	0.075	---	---	7
8	---	---	0B	0 B	0.920	0.064	7.52 A	1.11	0.199	0.074	---	---	8
9	---	---	0B	0 B	0.652	0.038	7.59	0.962	0.379	0.075	---	---	9
10	---	---	0B	0 B	0.483	0.042	7.17	0.846	0.117	0.071	---	---	10
11	---	---	0B	0.015B	0.571	0.036	6.49	0.721	0.101	0.077	---	---	11
12	---	---	0B	0.030B	0.512	0.031	5.82	0.594	0.124	0.071	---	---	12
13	---	---	0B	0.055B	0.592	0.028	5.34	0.509	0.127	0.069	---	---	13
14	---	---	0B	0.077B	0.509	0.026	4.96	0.520	0.115	0.069	---	---	14
15	---	---	0B	0.098B	0.343	0.025	4.46	0.454	0.100	0.067	---	---	15
16	---	---	0B	0.122B	0.206	0.065	4.07	0.464	0.096	0.062	---	---	16
17	---	---	0B	0.150B	0.144	0.239	3.72	0.500	0.082	0.097	---	---	17
18	---	---	0B	0.181B	0.122	0.163	3.40	0.473	0.078	0.108	---	---	18
19	---	---	0B	0.400B	0.164	0.113	3.15	0.369	0.069	0.098	---	---	19
20	---	---	0B	1.00 B	0.195	0.092	2.88	0.231	0.065	0.097	---	---	20
21	---	---	0B	3.00 B	0.183	0.077	2.81	0.211	0.065	0.099	---	---	21
22	---	---	0B	5.00 B	0.162	0.067	3.97	0.211	0.066	0.127	---	---	22
23	---	---	0B	5.80 B	0.194	0.070	5.49	0.196	0.059	0.135	---	---	23
24	---	---	0B	6.38	0.137	0.078	5.96	0.171	0.053	0.123	---	---	24
25	---	---	0B	6.42	0.122	0.077	5.49	0.331	0.051	0.125	---	---	25
26	---	---	0B	6.20	0.110	0.093	5.32	0.326	0.048	0.187	---	---	26
27	---	---	0B	5.39	0.097	0.091	4.80	0.210	0.050	0.167	---	---	27
28	---	---	0B	4.51	0.080	0.124	4.09	0.230	0.044	0.133	---	---	28
29	---		0B	3.64	0.070	0.215	3.47	0.228	0.047	0.123	---	---	29
30	---		0B	3.66	0.066	0.208	2.97	0.223	0.042	0.112	---	---	30
31	---		0B		0.057		2.50	0.194		0.106		---	31
TOTAL	---	---	0	52.128	19.861	2.418	139.407	22.834	3.615	3.016	---	---	TOTAL
MEAN	---	---	0	1.74	0.641	0.081	4.50	0.737	0.121	0.097	---	---	MEAN
MAX	---	---	0	6.42	3.42	0.239	7.59	2.27	0.379	0.187	---	---	MAX
MIN	---	---	0	0	0.057	0.025	0.268	0.171	0.042	0.045	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.993
MAXIMUM DAILY, 7.59 ON JUL 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.72 AT 18:55 MST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 53 N
LONG 112 38 20 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	12 000
FEB	---	AUG	1 970
MAR	0	SEP	312
APR	4 500	OCT	261
MAY	1 720	NOV	---
JUN	209	DEC	---

TOTAL DISCHARGE, 21 000 dam³

DRIEDMEAT LAKE AT OUTFLOW - STATION NO. 05PA020

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	685.655E	684.947E	684.641	685.559E	684.720	684.649	684.694E	---	1
2	---	---	---	---	685.974A	684.925E	684.693	685.520E	684.706	684.667	684.694A	---	2
3	---	---	---	---	686.065A	684.904E	684.715	685.480E	684.704	684.698	---	---	3
4	---	---	---	---	686.099A	684.882E	684.753	685.440E	684.701	684.683	---	---	4
5	---	---	---	---	686.141A	684.861E	684.880	685.401A	684.704	684.663	---	---	5
6	---	---	---	---	686.129A	684.840E	684.970	685.378	684.696	684.666	---	---	6
7	---	---	---	---	686.096A	684.818E	685.068	685.325	684.704	684.695	---	---	7
8	---	---	---	---	686.074A	684.797A	685.181	685.269	684.707	684.698	---	---	8
9	---	---	---	---	686.016A	684.772	685.269	685.221	684.704	684.687	684.681A	---	9
10	---	---	---	---	685.983A	684.755	685.336	685.176	684.716	684.681	---	---	10
11	---	---	---	---	685.901A	684.735	685.394	685.157	684.702	684.685	---	---	11
12	---	---	---	---	685.849A	684.737	685.442	685.110	684.712	684.677	---	---	12
13	---	---	---	---	685.797A	684.727	685.483	685.072	684.696	684.685	---	---	13
14	---	---	---	684.288A	685.785A	684.732	685.504A	685.045	684.671	684.692	---	---	14
15	---	---	---	684.288	685.611E	684.722	685.550A	685.004	684.697	684.653	---	684.590A	15
16	---	---	---	684.307	685.516E	684.789	685.608A	684.973	684.695	684.672	684.657A	---	16
17	---	---	---	684.341	685.422E	684.693	685.620E	684.943	684.689	684.712	---	---	17
18	---	---	---	684.363	685.328A	684.683	685.635E	684.914	684.694	684.687	---	---	18
19	---	---	---	684.383	685.267E	684.672	685.648A	684.887	684.685	684.676	---	---	19
20	---	---	---	684.441	685.203A	684.657	685.657E	684.857	684.672	684.676	---	---	20
21	---	---	---	684.554	685.181E	684.659	685.666A	684.845	684.689	684.677	---	---	21
22	---	---	---	684.703	685.160E	684.661	685.672E	684.826	684.693	684.665	---	---	22
23	---	---	---	684.886	685.139E	684.654	685.675E	684.801	684.680	684.68:	---	---	23
24	---	---	---	685.038	685.117E	684.641	685.681E	684.788	684.689	684.682	---	---	24
25	---	---	---	685.331A	685.096E	684.634	685.684E	684.769	684.696	684.684A	---	---	25
26	---	---	---	685.337A	685.075E	684.634	685.690E	684.756	684.676	684.684E	---	---	26
27	---	---	---	685.431A	685.053E	684.618	685.693E	684.736	684.660	684.687E	---	---	27
28	---	---	---	685.492A	685.032E	684.607	685.699A	684.755	684.678	684.687E	---	---	28
29	---		---	685.614B	685.011E	684.608	685.678A	684.736	684.722	684.690E	---	---	29
30	---		---	685.733E	684.989E	684.615	685.638E	684.734	684.651	684.690E	---	---	30
31	---		---		684.968E		685.599E	684.721		684.690E		---	31
MEAN	---	---	---	---	685.544	684.730	685.401	685.038	684.693	684.681	---	---	MEAN
MAX	---	---	---	---	686.141	684.947	685.699	685.559	684.722	684.712	---	---	MAX
MIN	---	---	---	---	684.968	684.607	684.641	684.721	684.651	684.649	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 686.141A ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 30 N
LONG 112 42 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.063B	0.226B	9.63B	3.98 A	0.450	2.29	1.94	0.943	---	---	1
2	---	---	0.066B	0.238B	12.1 B	3.65	0.458	36.5	1.82	0.940	---	---	2
3	---	---	0.072B	0.249B	19.2 B	3.33	0.546	83.8	1.50	0.887	---	---	3
4	---	---	0.078B	0.260B	23.6	3.57	1.44	111	1.27	0.844	---	---	4
5	---	---	0.086B	0.270B	15.3	3.03	20.2	64.4	1.15	0.781	---	---	5
6	---	---	0.094B	0.277B	11.7	2.65	22.4	31.5	1.11	0.734	---	---	6
7	---	---	0.099B	0.288B	11.4	2.50	11.9	19.5	1.09	0.690	---	---	7
8	---	---	0.106B	0.295B	10.1	2.31	6.93	12.4	1.07	0.660	---	---	8
9	---	---	0.109B	0.291B	10.2	2.11	5.18	8.80	1.17	0.633	---	---	9
10	---	---	0.115B	0.283B	11.5	1.92	4.89	6.52	1.47	0.628	---	---	10
11	---	---	0.118B	0.268B	13.1 A	1.74	3.29	5.22	1.39	0.614	---	---	11
12	---	---	0.112B	0.266B	15.4 E	1.60	2.22	5.06	1.32	0.600	---	---	12
13	---	---	0.111B	0.278B	17.6 E	1.41	1.53	4.36	1.35	0.601	---	---	13
14	---	---	0.113B	0.278B	19.9 A	1.31	1.17	3.46	1.37	0.612	---	---	14
15	---	---	0.116B	0.282B	20.2	1.23	14.2	3.00	1.23	0.599	---	---	15
16	---	---	0.113B	0.284B	41.2	1.16	53.4	3.31	1.10	0.597	---	---	16
17	---	---	0.117B	0.276B	48.1	1.08	28.2	4.39	1.02	0.692	---	---	17
18	---	---	0.121B	0.268B	37.0	0.944	15.6	3.54	0.956	0.698	---	---	18
19	---	---	0.127B	0.256B	53.6	0.838	9.85	2.71	0.882	0.754	---	---	19
20	---	---	0.134B	0.412B	36.8	0.740	7.54	2.25	0.804	0.720	---	---	20
21	---	---	0.139B	0.516B	26.7	0.672	6.34	1.89	0.755	0.622	---	---	21
22	---	---	0.142B	0.742B	22.2	0.636	7.96	1.64	0.709	0.554	---	---	22
23	---	---	0.147B	0.992B	20.3	0.590	13.0	1.70	0.676	0.540	---	---	23
24	---	---	0.147B	1.00 B	18.5 A	0.570	13.9	1.66	0.643	0.605	---	---	24
25	---	---	0.152B	0.891B	15.1 E	0.541	12.5	1.64	0.618	0.650A	---	---	25
26	---	---	0.160B	1.77 B	11.7 A	0.505	12.8	1.83	0.591	0.590A	---	---	26
27	---	---	0.167B	2.67 B	10.4 E	0.488	9.71	1.89	0.572	0.590E	---	---	27
28	---	---	0.175B	4.54 B	9.13E	0.499	6.58	1.80	0.577	0.590E	---	---	28
29	---		0.181B	6.77 B	7.84E	0.475	4.95	1.66	0.604	0.590E	---	---	29
30	---		0.195B	9.71 B	6.55E	0.450	3.69	1.60	0.689	0.590E	---	---	30
31	---		0.211B		5.27E		2.75	1.58		0.590E		---	31
TOTAL	---	---	3.880	35.146	591.32	66.528	305.570	430.90	31.446	20.738	---	---	TOTAL
MEAN	---	---	0.125	1.17	19.1	1.55	9.86	13.9	1.05	0.669	---	---	MEAN
MAX	---	---	0.211	9.71	53.6	3.98	53.4	111	1.94	0.943	---	---	MAX
MIN	---	---	0.063	0.226	5.27	0.450	0.450	1.58	0.572	0.540	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.98
MAXIMUM DAILY, 111 ON AUG 4
MINIMUM DAILY, 0.063B ON MAR 1
MAXIMUM INSTANTANEOUS,
125 AT 13:40 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 20 48 N
LONG 115 47 39 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	26 480
FEB	---	AUG	37 200
MAR	335	SEP	2 720
APR	3 040	OCT	1 790
MAY	51 100	NOV	---
JUN	4 020	DEC	---

TOTAL DISCHARGE, 127 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS OBTAINED FROM HIGH WATER MARK

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.002B	0B	0 B	0.160B	40.0E	10.0	1.67	13.8	6.57	1.68	0.800B	0.535B	1
2	0.002B	0B	0 B	0.160B	40.0E	9.50	1.58	18.6	6.32	1.60	0.790B	0.530B	2
3	0.002B	0B	0.001B	0.160B	38.0E	8.80	1.66	33.3	6.05	1.59	0.780B	0.520B	3
4	0.002B	0B	0.010B	0.160B	33.5E	8.46	1.78	48.0	5.74	1.53	0.760B	0.510B	4
5	0.002B	0B	0.020B	0.160B	25.5A	7.93	1.90	44.5	5.42	1.49	0.755B	0.500B	5
6	0.002B	0B	0.030B	0.160B	23.2	7.64	2.00	38.8	5.23	1.46	0.750B	0.490B	6
7	0.002B	0B	0.049B	0.165B	23.5	7.18	3.16	29.0	4.88	1.40	0.740B	0.480B	7
8	0.002B	0B	0.055B	0.170B	22.3	6.51	3.18	25.7	4.70	1.35	0.720B	0.470B	8
9	0.001B	0B	0.063B	0.180B	21.2	6.11	2.67	23.1	4.97	1.16	0.710B	0.465B	9
10	0.001B	0B	0.065B	0.190B	20.6	5.59	2.30	20.7	4.71	1.22	0.700B	0.460B	10
11	0.001B	0B	0.070B	0.200B	20.4	5.39	1.90	19.3	4.56	1.20	0.690B	0.450B	11
12	0.001B	0B	0.075B	0.210B	20.5	5.24	1.71	19.8	4.41	1.08	0.680B	0.440B	12
13	0.001B	0B	0.079B	0.230B	20.6	4.70	1.64	18.8	4.20	1.11	0.670B	0.430B	13
14	0.001B	0B	0.080B	0.240B	19.9	4.64	1.72	16.9	3.89	1.06	0.665B	0.425B	14
15	0.001B	0B	0.082B	0.260B	18.9	3.99	3.01	15.9	3.54	1.03	0.660B	0.420B	15
16	0.001B	0B	0.090B	0.280B	18.5	3.63	56.1	15.6	3.38	1.15	0.650B	0.410B	16
17	0.001B	0B	0.095B	0.320B	19.7	3.64	42.4	15.7	3.25	1.18	0.640B	0.400B	17
18	0.001B	0B	0.100B	0.350B	19.7	3.44	42.3	14.5	3.06	1.12	0.630B	0.395B	18
19	0.001B	0B	0.105B	0.400B	18.1	3.13	51.1	13.0	2.96	1.12	0.620B	0.390B	19
20	0.001B	0B	0.110B	0.450B	17.3	2.95	56.2	11.8	2.80	1.09 B	0.610B	0.385B	20
21	0.001B	0B	0.115B	0.550B	16.1	2.71	58.4	11.1	2.59	1.11 B	0.600B	0.380B	21
22	0.001B	0B	0.120B	0.650B	15.2	2.40	53.7	10.3	2.40	1.09 B	0.590B	0.375B	22
23	0.001B	0B	0.125B	0.807B	14.5	2.30	28.5	9.69	2.34	1.05 B	0.595B	0.365B	23
24	0.001B	0B	0.130B	1.00 B	14.2	2.14	28.4	9.24	2.25	1.01 B	0.580B	0.360B	24
25	0 B	0B	0.135B	1.70 B	14.0	2.02	30.6	8.81	2.13	0.998B	0.575B	0.350B	25
26	0 B	0B	0.140B	2.50 B	13.6	1.98	26.4	8.42	2.06	0.989B	0.570B	0.345B	26
27	0 B	0B	0.142B	6.78 B	13.6	1.91	23.7	8.15	1.98	0.974B	0.560B	0.340B	27
28	0 B	0B	0.145B	16.0 E	13.0	1.78	20.7	7.75	1.99	0.867B	0.555B	0.335B	28
29	0 B		0.150B	32.0 E	12.1	1.63	18.6	7.26	1.82	0.850B	0.550B	0.330B	29
30	0 B		0.160B	37.0 E	11.4	1.63	16.1	7.27	1.71	0.830B	0.540B	0.325B	30
31	0 B		0.165B		10.7		14.5	7.01		0.820B		0.320B	31
TOTAL	0.032	0	2.706	193.592	629.8	138.89	599.58	547.80	111.91	36.108	19.735	12.930	TOTAL
MEAN	0.001	0	0.087	6.45	20.3	4.63	19.3	17.7	3.73	1.16	0.658	0.417	MEAN
MAX	0.002	0	0.165	37.0	40.0	10.0	58.4	48.0	6.57	1.68	0.800	0.535	MAX
MIN	0	0	0	0.160	10.7	1.63	1.58	7.01	1.71	0.820	0.540	0.320	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.04
MAXIMUM DAILY, 58.4 ON JUL 21
MINIMUM DAILY, 0B ON JAN 25
MAXIMUM INSTANTANEOUS,
69.2 AT 11:21 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 15 19 N
LONG 116 13 56 W
DRAINAGE AREA, 2 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2.76	JUL	51 800
FEB	0	AUG	47 300
MAR	234	SEP	9 670
APR	8 950	OCT	3 120
MAY	55 400	NOV	1 710
JUN	13 000	DEC	1 120

TOTAL DISCHARGE, 190 000 dam³

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.029	0.011	1.72	0.332	0.384	0.212	0.011	---	1
2	---	---	---	---	0.026	0.012	3.08	0.289	0.174	0.194	0.013A	---	2
3	---	---	---	---	0.025	0.007	0.350	0.332	0.138	0.278	---	---	3
4	---	---	---	---	0.022	0.014	0.245	0.291	0.092	0.239	---	---	4
5	---	---	---	---	0.019	0.257	0.209	0.348	0.107	0.247	---	---	5
6	---	---	---	---	0.015	0.691	0.179	0.256	0.209	0.163	---	---	6
7	---	---	---	---	0.019	0.486	0.088	0.366	0.157	0.189	---	---	7
8	---	---	---	---	0.034	0.292	0.083	0.245	0.135	0.116	---	---	8
9	---	---	---	---	0.048	0.139	0.071	0.394	0.103	0.070	---	---	9
10	---	---	---	---	0.044	0.301	0.060	0.610	0.062	0.068	---	---	10
11	---	---	---	---	0.036	0.477	0.090	0.746	0.083	0.114	---	---	11
12	---	---	---	---	0.028	0.532	0.083	0.721	0.180	0.255	---	---	12
13	---	---	---	---	0.022	0.498	0.121	0.560	0.426	0.118	---	---	13
14	---	---	---	---	0.015	0.382	0.118	0.421	0.327	0.090	---	---	14
15	---	---	---	---	0.012	0.458	0.161	0.228	0.300	0.075	---	---	15
16	---	---	---	---	0.011	0.316	0.289	0.201	0.213	0.045	---	---	16
17	---	---	---	---	0.013	0.214	0.319	0.238	0.165	0.002	---	---	17
18	---	---	---	---	0.013	0.193	0.230	0.184	0.264	0.007	---	---	18
19	---	---	---	---	0.017	0.208	0.270	0.104	0.223	0.006	---	---	19
20	---	---	---	---	0.018	0.212	0.232	0.126	0.208	0.008	---	---	20
21	---	---	---	---	0.012	0.255	0.159	0.236	0.083	0.008	---	---	21
22	---	---	---	---	0.009	0.256	0.155	0.382	0.109	0.004	---	---	22
23	---	---	---	---	0.007	0.308	0.146	0.290	0.088	0.005	---	---	23
24	---	---	---	---	0.006	0.465	0.221	0.239	0.078	0.007	---	---	24
25	---	---	---	---	0.006	0.334	0.370	0.459	0.060	0.007	---	---	25
26	---	---	---	---	0.049	0.463	0.828	0.375	0.052	0.008	---	---	26
27	---	---	---	---	0.091	0.656	0.610	0.253	0.158	0.009	---	---	27
28	---	---	---	---	0.067	0.881	0.482	0.196	0.356	0.010	---	---	28
29	---		---	0.047A	0.043	1.04	0.556	0.157	0.517	0.008	---	---	29
30	---		---	0.035	0.029	1.31	0.313	0.376	0.520	0.009	---	---	30
31	---		---		0.013		0.274	0.643		0.009		---	31
TOTAL	---	---	---	---	0.798	11.668	12.112	10.598	5.971	2.540	---	---	TOTAL
MEAN	---	---	---	---	0.026	0.389	0.391	0.342	0.199	0.082	---	---	MEAN
MAX	---	---	---	---	0.091	1.31	3.08	0.746	0.520	0.278	---	---	MAX
MIN	---	---	---	---	0.006	0.007	0.060	0.104	0.052	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.237
MAXIMUM DAILY, 3.08 ON JUL 2
MINIMUM DAILY, 0.002 ON OCT 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 39 N
LONG 112 55 48 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 050
FEB	---	AUG	916
MAR	---	SEP	516
APR	---	OCT	219
MAY	68.9	NOV	---
JUN	1 010	DEC	---

TOTAL DISCHARGE, 3 780 dam³

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.220B	0.371B	0.384B	0.481	1.48	7.48	10.4	1.62	0.593	0.892	0.958	0.457B	1
2	0.210B	0.370B	0.377B	0.461	1.62	8.43	9.14	1.50	0.593	0.829	0.788A	0.432B	2
3	0.195B	0.370B	0.355B	0.444	1.71	10.5	8.02	1.52	0.583	0.902	1.17 A	0.420B	3
4	0.185B	0.365B	0.343B	0.452	1.59	13.6	6.57	1.52	0.559	0.959	0.903	0.415B	4
5	0.187B	0.360B	0.375B	0.445	1.55	15.3	6.09	1.43	0.637	0.977	0.843	0.410B	5
6	0.190B	0.355B	0.355B	0.450	1.88	14.0	5.27	1.36	0.612	0.982	0.871	0.400B	6
7	0.200B	0.345B	0.342B	0.428	2.15	12.0	4.74	1.31	0.502	0.991	0.840B	0.394B	7
8	0.205B	0.335B	0.357B	0.439B	2.49	9.65	4.42	1.29	0.475	1.04	0.760B	0.407B	8
9	0.207B	0.325B	0.372B	0.472	2.46	9.08	4.03	1.36	0.445	1.06	0.710B	0.442B	9
10	0.212B	0.320B	0.421	0.479	2.35	10.1	4.15	1.40	0.466	1.06	0.685B	0.456B	10
11	0.217B	0.315B	0.465	0.813	2.32	11.9	3.98	1.19	0.483	1.08	0.680B	0.469B	11
12	0.224B	0.310B	0.414	1.41	2.37	12.6	3.99	1.08	0.677	1.08	0.670B	0.481B	12
13	0.235B	0.310B	0.421	2.36	2.66	14.0	4.37	1.07	0.797	1.07	0.663B	0.490B	13
14	0.250B	0.306B	0.431	1.81	3.37	14.6	4.22	0.944	0.735	1.06	0.558B	0.496B	14
15	0.272B	0.325B	0.441	1.16	4.61	13.2	3.76	0.975	0.691	1.06	0.565B	0.492B	15
16	0.370B	0.364B	0.431	1.02	5.56	12.9	3.31	0.977	0.686	0.972	0.576B	0.493B	16
17	0.409B	0.339B	0.430	0.996	5.63	11.8	2.90	0.965	0.690	1.03	0.578B	0.483B	17
18	0.325B	0.305B	0.429	0.888	5.98	10.6	2.76	0.889	0.683	1.12	0.557B	0.467B	18
19	0.309B	0.309B	0.427	0.770	6.22	10.1	2.63	0.854	0.678	1.11	0.465B	0.471B	19
20	0.334B	0.430B	0.415	0.759	5.59	10.5	2.66	0.853	0.660	1.08	0.436B	0.460B	20
21	0.359B	0.427B	0.416	1.10	5.55	10.2	2.77	0.841	0.639	1.06	0.432B	0.468B	21
22	0.375B	0.448B	0.439	1.95	6.86	10.6	2.54	0.804	0.622	0.929	0.482B	0.465B	22
23	0.389B	0.446B	0.442	2.76	7.97	10.7	2.65	0.888	0.641	1.00	0.693B	0.463B	23
24	0.393B	0.413B	0.428	2.68	7.59	9.00	2.35	0.854	0.641	1.05	0.715B	0.465B	24
25	0.412B	0.432B	0.426	1.67	8.83	8.16	2.25	0.753	0.597	1.05	0.575B	0.471B	25
26	0.410B	0.435B	0.441	1.63	11.8	8.47	2.15	0.847	0.686	1.00	0.576B	0.477B	26
27	0.356B	0.415B	0.458	1.77	9.93	8.85	2.04	0.864	0.874	0.955	0.665B	0.480B	27
28	0.385B	0.401B	0.471	2.03	8.17	8.85	1.92	0.709	0.956	0.969	0.627B	0.485B	28
29	0.383B		0.488	1.96	6.48	9.32	1.91	0.729	1.04	0.986	0.556B	0.490B	29
30	0.378B		0.468	1.67	5.65	10.7	1.80	0.694	0.968	0.972	0.505B	0.495B	30
31	0.375B		0.462		6.47		1.67	0.609		0.899		0.490B	31
TOTAL	9.211	10.406	12.924	35.537	180.87	327.19	121.26	32.699	19.909	31.224	20.102	14.284	TOTAL
MEAN	0.297	0.372	0.417	1.18	6.80	10.9	3.91	1.05	0.664	1.01	0.670	0.461	MEAN
MAX	0.412	0.448	0.488	2.76	11.8	15.3	10.4	1.62	1.04	1.12	1.17	0.496	MAX
MIN	0.185	0.306	0.342	0.428	1.48	7.48	1.67	0.609	0.445	0.829	0.432	0.394	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.15
MAXIMUM DAILY, 15.3 ON JUN 5
MINIMUM DAILY, 0.185B ON JAN 4
MAXIMUM INSTANTANEOUS,
15.8 AT 15:15 MST ON JUN 5

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 38 N
LONG 113 47 35 W

DRAINAGE AREA, 238 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	796	JUL	10 500
FEB	899	AUG	2 830
MAR	1 120	SEP	1 720
APR	3 070	OCT	2 700
MAY	12 900	NOV	1 740
JUN	28 300	DEC	1 230

TOTAL DISCHARGE, 67 800 dam³

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.075B	0.222E	1.89	2.11	0.306	0.167	0.159	0.216	---	1
2	---	---	---	0.082B	0.237E	1.73	1.84	0.304	0.159	0.157	0.206A	---	2
3	---	---	0.063B	0.080B	0.240E	2.16	1.63	0.303	0.152	0.160	---	---	3
4	---	---	---	0.070B	0.225E	2.76	1.39	0.300	0.169	0.160	---	---	4
5	---	---	---	0.072B	0.223E	2.79	1.22	0.295	0.163	0.168	---	---	5
6	---	---	---	0.070B	0.252E	2.45	1.05	0.301	0.151	0.169	---	---	6
7	---	---	---	0.064B	0.305E	2.08	0.983	0.292	0.139	0.183	---	---	7
8	---	---	---	0.080B	0.374E	1.75	0.848	0.287	0.135	0.192	---	---	8
9	---	---	---	0.092B	0.366E	1.74	0.783	0.296	0.142	0.200	---	---	9
10	---	---	---	0.122B	0.358E	1.88	0.727	0.283	0.152	0.205	---	---	10
11	---	---	---	0.200B	0.375A	2.30	0.866	0.265	0.146	0.200	---	---	11
12	---	---	---	0.270B	0.400	2.62	0.869	0.272	0.166	0.203	---	---	12
13	---	---	---	0.354B	0.557	3.10	0.847	0.255	0.173	0.196	---	---	13
14	---	---	---	0.280B	0.717	3.08	0.855	0.256	0.165	0.192	---	---	14
15	---	---	---	0.190B	0.937	2.84	0.794	0.250	0.162	0.196	---	---	15
16	---	---	---	0.167B	1.06	2.91	0.717	0.246	0.158	0.197	---	---	16
17	---	---	---	0.160B	1.07	2.65	0.636	0.242	0.143	0.212	---	---	17
18	---	---	---	0.142B	1.25	2.41	0.592	0.231	0.141	0.208	---	---	18
19	---	---	---	0.120B	1.26	2.43	0.582	0.233	0.140	0.207	---	---	19
20	---	---	---	0.115B	1.20	2.51	0.588	0.235	0.142	0.200	---	---	20
21	---	---	---	0.116B	1.32	2.46	0.562	0.231	0.138	0.197	---	---	21
22	---	---	---	0.126B	1.64	2.63	0.511	0.230	0.143	0.209	---	---	22
23	---	---	---	0.414B	1.89	2.53	0.481	0.232	0.154	0.220	---	---	23
24	---	---	---	0.380E	1.79	2.17	0.458	0.224	0.140	0.219	---	---	24
25	---	---	---	0.265E	2.04	2.06	0.432	0.219	0.140	0.219	---	---	25
26	---	---	---	0.245E	2.35	2.15	0.399	0.230	0.172	0.218	---	---	26
27	---	---	---	0.252E	1.81	2.20	0.384	0.208	0.176	0.215	---	---	27
28	---	---	---	0.305E	1.47	2.07	0.361	0.196	0.183	0.221	---	---	28
29	---		---	0.250E	1.27	2.01	0.346	0.201	0.179	0.219	---	---	29
30	---		---	0.221E	1.17	2.30	0.321	0.191	0.170	0.214	---	---	30
31	---		---		1.26		0.310	0.174		0.208		---	31
TOTAL	---	---	---	5.379	29.638	70.26	24.292	7.788	4.656	6.123	---	---	TOTAL
MEAN	---	---	---	0.179	0.956	2.34	0.784	0.251	0.155	0.198	---	---	MEAN
MAX	---	---	---	0.414	2.35	3.10	2.11	0.306	0.183	0.221	---	---	MAX
MIN	---	---	---	0.064	0.222	1.49	0.310	0.174	0.135	0.157	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.692
MAXIMUM DAILY, 3.10 ON JUN 13
MINIMUM DAILY, 0.064B ON APR 7
MAXIMUM INSTANTANEOUS,
3.29 AT 02:45 MST ON JUN 14

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 114 00 20 W
DRAINAGE AREA, 29.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 100
FEB	---	AUG	673
MAR	---	SEP	402
APR	465	OCT	529
MAY	2 560	NOV	---
JUN	6 070	DEC	---

TOTAL DISCHARGE, 12 800 dam³

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.40	4.56	4.84	0.968	0.552	0.694	0.540B	---	1
2	---	---	---	---	1.94	5.01	4.34	0.941	0.549	0.675	0.570B	---	2
3	---	---	---	---	2.57	5.55	3.89	0.918	0.532	0.674	0.600B	---	3
4	---	---	---	---	2.16	6.36	3.48	0.882	0.741	0.663	0.634B	---	4
5	---	---	---	---	1.75	7.25	3.09	0.857	0.747	0.636	0.600B	---	5
6	---	---	---	---	1.83	7.30	2.80	0.824	0.615	0.629	---	---	6
7	---	---	---	---	1.96	6.23	2.60	0.801	0.577	0.621	---	---	7
8	---	---	---	---	2.06	5.78	2.47	0.788	0.555	0.611	---	---	8
9	---	---	---	---	1.70	5.96	2.34	0.828	0.585	0.585	---	---	9
10	---	---	---	---	1.51	6.10	2.21	0.844	0.600	0.588	---	---	10
11	---	---	---	---	1.61	7.43	2.11	0.781	0.584	0.583	---	---	11
12	---	---	---	---	2.32	8.52	2.02	0.767	0.578	0.575	---	---	12
13	---	---	---	---	2.94	9.39	1.91	0.766	0.602	0.567	---	---	13
14	---	---	---	---	3.88	9.96	1.92	0.923	0.583	0.562	---	---	14
15	---	---	---	---	4.75	10.1	1.81	0.805	0.580	0.554	---	---	15
16	---	---	---	---	5.11	9.94	1.69	0.731	0.594	0.545	---	---	16
17	---	---	---	---	5.17	8.66	1.58	0.701	0.591	0.545	---	---	17
18	---	---	---	---	5.63	7.82	1.50	0.668	0.581	0.561	---	---	18
19	---	---	---	---	5.31	7.75	1.45	0.658	0.567	0.537B	---	---	19
20	---	---	---	---	5.16	7.85	1.43	0.635	0.556	0.533B	---	---	20
21	---	---	---	0.298B	6.01	7.52	1.36	0.625	0.562	0.528	---	---	21
22	---	---	---	0.523B	6.66	7.16	1.29	0.604	0.573	0.578	---	---	22
23	---	---	---	0.896B	6.94	6.35	1.23	0.627	0.553	1.05	---	---	23
24	---	---	---	1.12 B	7.06	5.84	1.19	0.617	0.539	0.778	---	---	24
25	---	---	---	0.863B	8.69	5.81	1.15	0.602	0.536	0.678	---	---	25
26	---	---	---	0.812B	8.98	5.33	1.13	0.646	0.873	0.638	---	---	26
27	---	---	---	1.00 B	7.00	5.86	1.08	0.629	0.830	0.617	---	---	27
28	---	---	---	1.04 B	5.65	5.21	1.04	0.583	0.756	0.595	---	---	28
29	---		---	1.10 B	4.76	5.01	1.02	0.590	0.740	0.582	---	---	29
30	---		---	1.23 B	4.30	5.22	0.992	0.596	0.701	0.550B	---	---	30
31	---		---		4.27		0.990	0.577		0.530B		---	31
TOTAL	---	---	---	---	131.04	286.81	61.912	22.782	18.492	19.041	---	---	TOTAL
MEAN	---	---	---	---	4.23	6.89	2.00	0.735	0.616	0.614	---	---	MEAN
MAX	---	---	---	---	8.98	10.1	5.86	0.968	0.873	1.05	---	---	MAX
MIN	---	---	---	---	1.40	4.56	0.990	0.577	0.532	0.528	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.50
MAXIMUM DAILY, 10.1 ON JUN 15
MINIMUM DAILY, 0.528 ON OCT 21
MAXIMUM INSTANTANEOUS,
11.3 AT 22:38 MST ON JUN 15

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 06 N
LONG 114 25 49 W
DRAINAGE AREA, 143 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 350
FEB	---	AUG	1 970
MAR	---	SEP	1 600
APR	---	OCT	1 650
MAY	11 300	NOV	---
JUN	17 900	DEC	---

TOTAL DISCHARGE, 39 800 dam³

EAST PRAIRIE RIVER NEAR EMILDA - STATION NO. 07BF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.090B	0.060B	10.7	9.10	1.34	7.53	4.30	2.70	---	---	1
2	---	---	0.090B	0.070B	14.1	7.80	1.30	10.0	4.20	2.61	---	---	2
3	---	---	0.090B	0.080B	22.0	6.65	1.23	123	4.14	2.52	---	---	3
4	---	---	0.095B	0.090B	29.2	6.48	1.19	176	4.08	2.18	---	---	4
5	---	---	0.096B	0.095B	28.3	6.25	3.20	99.4	4.14	1.98	---	---	5
6	---	---	0.098B	0.100B	25.1	6.08	18.8	53.3	4.10	1.90	---	---	6
7	---	---	0.100B	0.100B	21.0	5.85	14.4	30.3	3.96	1.87	---	---	7
8	---	---	0.102B	0.100B	12.3	5.63	11.5	21.6	3.88	1.75	---	---	8
9	---	---	0.103B	0.100B	10.7	5.10	10.1	14.4	3.74	1.62	---	---	9
10	---	---	0.102B	0.100B	12.0	4.84	8.35	10.5	3.76	1.54	---	---	10
11	---	---	0.100B	0.100B	17.1	4.60	7.63	8.48	3.66	1.47	---	---	11
12	---	---	0.100B	0.102B	21.6	4.32	6.73	7.38	3.64	1.41	---	---	12
13	---	---	0.100B	0.102B	26.3	4.10	6.00	6.55	3.58	1.30	---	---	13
14	---	---	0.090B	0.102B	26.1	3.92	5.16	6.15	3.48	1.24	---	---	14
15	---	---	0.070B	0.104B	30.2	3.60	6.70	5.85	3.28	1.22	---	---	15
16	---	---	0.050B	0.104B	46.0	3.40	37.0	5.40	3.22	1.18	---	---	16
17	---	---	0.050B	0.104B	67.7	3.26	41.9	5.42	3.04	1.66	---	---	17
18	---	---	0.055B	0.107B	47.7	3.04	25.1	5.36	2.90	1.55	---	---	18
19	---	---	0.060B	0.110B	42.2	2.88	15.1	5.30	2.76	1.48	---	---	19
20	---	---	0.070B	0.890B	35.7	2.72	11.9	5.24	2.54	1.42	---	---	20
21	---	---	0.080B	3.04 B	32.0	2.65	10.5	5.18	2.27	1.35	---	---	21
22	---	---	0.090B	4.00 B	26.3	2.52	8.25	4.96	2.14	1.30	---	---	22
23	---	---	0.090B	4.40 B	21.5	2.23	8.08	4.86	1.97	1.28	---	---	23
24	---	---	0.090B	4.58 B	17.5	2.11	10.2	4.64	1.86	1.26	---	---	24
25	---	---	0.090B	4.94 B	16.6	1.95	14.1	4.56	1.84	1.19	---	---	25
26	---	---	0.090B	6.70 B	16.0	1.80	13.0	4.52	1.80	1.51	---	---	26
27	---	---	0.085B	7.73 B	14.9	1.62	11.7	4.42	1.77	1.81	---	---	27
28	---	---	0.070B	7.33	14.3	1.55	10.3	4.38	1.81	1.84	---	---	28
29	---		0.060B	8.86	12.1	1.51	9.07	4.40	2.00	1.90	---	---	29
30	---		0.055B	9.55	10.8	1.38	7.78	4.32	2.27	1.90	---	---	30
31	---		0.050B		9.58		7.38	4.32		1.90		---	31
TOTAL	---	---	2.561	63.850	737.58	118.94	344.99	657.72	91.43	51.84	---	---	TOTAL
MEAN	---	---	0.083	2.13	23.8	3.96	11.1	21.2	3.05	1.67	---	---	MEAN
MAX	---	---	0.103	9.55	67.7	9.10	41.9	176	4.30	2.70	---	---	MAX
MIN	---	---	0.050	0.060	9.58	1.38	1.19	4.32	1.77	1.18	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.44
MAXIMUM DAILY, 176 ON AUG 4
MINIMUM DAILY, 0.050B ON MAR 16
MAXIMUM INSTANTANEOUS,
230 AT 14:30 MST ON AUG 4

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 25 00 N
LONG 116 20 20 W
DRAINAGE AREA, 1 460 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29 800
FEB	---	AUG	56 800
MAR	221	SEP	7 900
APR	5 520	OCT	4 480
MAY	63 700	NOV	---
JUN	10 300	DEC	---

TOTAL DISCHARGE, 179 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	4.57	19.0	27.9	26.7	26.5	23.0	0.302A	---	1
2	---	---	---	0	4.48	20.2	27.1	27.5	26.3	22.9	0.200E	---	2
3	---	---	---	0	4.54	21.6	27.7	27.4	25.8	22.6	0.100E	---	3
4	---	---	---	0	5.06	22.0	28.4	28.1	25.6	21.9	0 E	---	4
5	---	---	---	0	7.29	22.1	27.4	27.1	26.0	22.3	0 E	---	5
6	---	---	---	0	13.0	22.2	26.1	27.5	26.3	21.8	0 E	---	6
7	---	---	---	0	13.0	21.8	26.3	28.2	26.6	21.9	0 E	---	7
8	---	---	---	0	13.1	22.1	27.2	28.0	27.3	21.3	0 E	---	8
9	---	---	---	0	13.0	21.8	27.7	28.1	27.0	21.2	0 E	---	9
10	---	---	---	0	12.1	22.3	28.2	28.0	26.1	21.0	0 E	---	10
11	---	---	---	0	10.1	23.0	29.2	28.4	25.8	21.0	0 E	---	11
12	---	---	---	0	10.2	23.5	27.9	28.9	25.6	21.4	0 E	---	12
13	---	---	---	0	10.1	24.2	27.3	27.8	25.8	21.4	0 E	---	13
14	---	---	---	0	10.3	25.8	26.5	27.9	25.1	21.1	0 E	---	14
15	---	---	---	0	9.91	25.5	26.3	27.8	25.1	18.5	0 E	---	15
16	---	---	---	0	10.1	25.9	26.7	27.7	25.4	18.1	0 E	---	16
17	---	---	---	0	13.4	27.1	27.0	28.1	25.6	18.0	0 E	---	17
18	---	---	---	0	15.5	26.7	27.4	27.5	25.6	18.0	0 E	---	18
19	---	---	---	0	14.2	26.5	27.9	27.4	25.9	18.0	0 E	---	19
20	---	---	---	0	14.3	27.0	25.6	27.6	26.0	16.3	0 E	---	20
21	---	---	---	0	14.6	27.3	24.1	27.5	26.2	15.9	0 E	---	21
22	---	---	---	0	14.7	28.0	25.0	27.6	25.5	16.2	0 E	---	22
23	---	---	---	0	14.8	26.8	25.9	27.3	25.0	16.1	0 E	---	23
24	---	---	---	0	14.9	27.0	27.1	27.3	24.9	15.8	0 E	---	24
25	---	---	---	0	18.3	27.8	27.0	27.5	25.0	16.1	0 E	---	25
26	---	---	---	0	18.6	28.2	27.2	27.2	24.1	13.5	0 E	---	26
27	---	---	---	0	17.6	28.8	27.1	26.9	23.9	14.3	0 E	---	27
28	---	---	---	5.13	17.6	28.7	28.2	26.8	23.3	15.4	0 E	---	28
29	---		0A	4.38	17.3	28.3	27.2	26.6	22.2	13.7	0 E	---	29
30	---		0	4.41	17.7	27.6	26.8	26.8	22.7	0.634E	0 E	---	30
31	---		0		17.9		27.0	27.0		0.302E		---	31
TOTAL	---	---	---	13.92	392.25	748.8	838.4	854.2	762.2	549.636	0.602	---	TOTAL
MEAN	---	---	---	0.464	12.7	25.0	27.0	27.6	25.4	17.7	0.020	---	MEAN
MAX	---	---	---	5.13	18.6	28.8	29.2	28.9	27.3	23.0	0.302	---	MAX
MIN	---	---	---	0	4.48	19.0	24.1	26.6	22.2	0.302	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.0
MAXIMUM DAILY, 29.2 ON JUL 11
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 15 N
LONG 112 20 29 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	72 400
FEB	---	AUG	73 800
MAR	---	SEP	65 900
APR	1 200	OCT	47 500
MAY	33 980	NOV	52.0
JUN	64 700	DEC	---

TOTAL DISCHARGE, 359 000 dam³

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	4.53	12.4	11.7	4.37	3.09	0A	---	1
2	---	---	---	0	0	4.46	11.9	12.3	4.09	3.07	0E	---	2
3	---	---	---	0	0	5.66	11.4	12.0	4.30	3.09	0E	---	3
4	---	---	---	0	0	6.03	11.2	12.0	4.26	2.75	0E	---	4
5	---	---	---	0	0.250	6.15	8.74	10.4	4.17	2.64	0E	---	5
6	---	---	---	0	0.476	6.29	7.93	9.88	4.08	2.55	0E	---	6
7	---	---	---	0	0.450	6.27	7.92	9.56	4.15	2.51	0E	---	7
8	---	---	---	0	0.444	6.70	6.63	9.20	4.02	2.48	0E	---	8
9	---	---	---	0	0.428	6.86	5.37	8.58	3.95	2.51	0E	---	9
10	---	---	---	0	0.428	7.08	5.51	8.21	4.08	2.51	0E	---	10
11	---	---	---	0	2.66	7.44	5.72	8.17	3.89	2.55	0E	---	11
12	---	---	---	0	2.01	7.61	5.55	6.95	3.84	2.61	0E	---	12
13	---	---	---	0	1.93	7.92	5.67	5.88	3.77	2.66	0E	---	13
14	---	---	---	0	1.88	8.31	5.77	6.20	3.74	2.69	0E	---	14
15	---	---	---	0	1.88	8.20	5.44	6.12	3.78	1.52	0E	---	15
16	---	---	---	0	1.89	8.13	5.06	5.96	3.83	0.966	0E	---	16
17	---	---	---	0	2.47	8.02	5.06	5.49	3.73	0.937	0E	---	17
18	---	---	---	0	2.82	8.31	5.14	5.28	3.68	0.805	0E	---	18
19	---	---	---	0	2.85	8.38	6.13	5.37	3.81	0.578	0E	---	19
20	---	---	---	0	2.84	8.55	6.57	4.55	3.88	0.454	0E	---	20
21	---	---	---	0	2.98	9.17	7.63	4.14	3.94	0.432	0E	---	21
22	---	---	---	0	3.40	10.4	9.64	4.12	3.88A	0.304	0E	---	22
23	---	---	---	0	3.42	11.7	12.1	4.11	3.89A	0.255	0E	---	23
24	---	---	---	0	3.28	12.1	13.2	4.53	3.78A	0.291	0E	---	24
25	---	---	---	0	4.17	12.5	12.0	4.61	3.71E	0.305	0E	---	25
26	---	---	---	0	4.25	12.5	12.8	4.61	3.78E	0.153	0E	---	26
27	---	---	---	0	4.22	12.6	14.2	4.65	3.69A	0.165	0E	---	27
28	---	---	---	0	4.61	12.3	14.0	4.75	3.57A	0.170	0E	---	28
29	---		0	0	4.60	12.5	13.6	4.65	3.34A	0.148	0E	---	29
30	---		0	0	4.66	12.6	12.4	4.75	3.31	0.060	0E	---	30
31	---		0		4.60		11.9	4.73		0.011		---	31
TOTAL	---	---	---	0	69.896	259.27	278.58	213.45	116.31	45.264	0	---	TOTAL
MEAN	---	---	---	0	2.25	8.64	8.99	6.89	3.88	1.46	0	---	MEAN
MAX	---	---	---	0	4.66	12.6	14.2	12.3	4.37	3.09	0	---	MAX
MIN	---	---	---	0	0	4.46	5.06	4.11	3.31	0.011	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.03
MAXIMUM DAILY, 14.2 ON JUL 27
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 25 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 100
FEB	---	AUG	18 400
MAR	---	SEP	10 000
APR	0	OCT	3 910
MAY	6 040	NOV	0
JUN	22 400	DEC	---

TOTAL DISCHARGE, 84 900 dam³

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0 E	8.66	21.7	19.7	6.47	4.54	0A	---	1
2	---	---	---	0E	0 E	9.47	18.2	19.9	5.03	4.53	0E	---	2
3	---	---	---	0E	0 E	9.98	14.5	20.0	4.80	4.51	0E	---	3
4	---	---	---	0E	0 E	10.4	14.7	19.5	5.00	4.50	0E	---	4
5	---	---	---	0E	0 E	10.5	6.23	19.0	5.01	4.49	0E	---	5
6	---	---	---	0E	1.30E	10.1	0 E	17.4	5.02	5.50	0E	---	6
7	---	---	---	0E	3.46E	11.7	0 E	16.5	5.02	6.07	0E	---	7
8	---	---	---	0E	3.46E	12.8	0 E	16.6	5.01	6.03	0E	---	8
9	---	---	---	0E	3.46E	13.1	0 E	16.2	5.00	5.99	0E	---	9
10	---	---	---	0E	3.46A	14.9	0 E	16.1	5.03	5.96	0E	---	10
11	---	---	---	0E	3.46E	15.7	0 E	14.8	5.04	5.93	0E	---	11
12	---	---	---	0E	3.46E	15.5	2.69	13.4	5.02	5.91	0E	---	12
13	---	---	---	0E	3.46E	15.9	5.38	13.0	5.01	5.88	0E	---	13
14	---	---	---	0E	3.43E	16.7	6.30	13.1	5.30	5.84	0E	---	14
15	---	---	---	0E	3.40E	16.8	6.13	13.1	4.96	2.33	0E	---	15
16	---	---	---	0E	3.40A	16.8	7.40	12.8	4.94	0 E	0E	---	16
17	---	---	---	0E	5.84	17.0	8.11	11.9	4.92	0 E	0E	---	17
18	---	---	---	0E	7.81	17.0	8.08	11.7	4.90	0 A	0E	---	18
19	---	---	---	0A	7.74	16.6	9.94	11.9	4.86	0 E	0E	---	19
20	---	---	---	0E	7.71	16.7	12.1	12.1	4.86	0 E	0E	---	20
21	---	---	---	0E	7.71	18.6	13.7	12.0	4.84	0 E	0E	---	21
22	---	---	---	0E	7.70	22.4	15.2	11.5	4.82	0 E	0E	---	22
23	---	---	---	0E	7.73	27.3	17.5	12.0	4.81	0 E	0E	---	23
24	---	---	---	0E	8.00	28.7	18.8	11.9	4.74	0 E	0E	---	24
25	---	---	---	0E	8.68	28.9	18.8	11.2	4.76	0 E	0E	---	25
26	---	---	---	0E	9.26	29.2	18.9	9.38	4.67	0 E	0E	---	26
27	---	---	---	0E	7.09	29.2	19.2	7.92	4.70	0 E	0E	---	27
28	---	---	---	0E	4.59	28.9	19.4	7.22	4.64	0 E	0E	---	28
29	---		0A	0A	4.60	24.9	19.6	7.16	4.56	0 E	0E	---	29
30	---		0E	0E	4.63	22.1	19.6	6.84	4.56	0 E	0E	---	30
31	---		0E		5.92		19.7	6.54		0 E		---	31
TOTAL	---	---	---	0	140.76	536.51	341.86	411.76	148.00	78.01	0	---	TOTAL
MEAN	---	---	---	0	4.54	17.9	11.0	13.3	4.93	2.52	0	---	MEAN
MAX	---	---	---	0	9.26	29.2	21.7	20.0	6.47	6.07	0	---	MAX
MIN	---	---	---	0	0	8.66	0	6.54	4.56	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.79
MAXIMUM DAILY, 29.2 ON JUN 26
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 20 N
LONG 112 20 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29 500
FEB	---	AUG	35 600
MAR	---	SEP	12 800
APR	0	OCT	6 740
MAY	12 200	NOV	0
JUN	46 400	DEC	---

TOTAL DISCHARGE, 143 000 dam³

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.80E	1.66	2.47	10.1	14.5	5.19	3.62	4.20	3.48A	---	1
2	---	---	1.80E	1.67	2.57	12.7	13.3	5.19	3.57	4.34	---	---	2
3	---	---	1.85E	1.67B	2.46	14.3	12.2	5.14	3.49	4.39	---	---	3
4	---	---	1.94A	1.67B	2.32	14.9	11.5	5.04	3.80	4.34	---	---	4
5	---	---	1.90B	1.66	2.26	16.6	10.8	4.98	3.76	4.31	---	---	5
6	---	---	1.85B	1.64	2.15	15.6	9.86	4.86	3.66	4.29	---	---	6
7	---	---	1.85B	1.63B	2.11	12.3	9.50	4.74	3.58	4.33	---	---	7
8	---	---	1.85B	1.63B	2.08	11.6	9.05	4.69	3.55	4.26	---	---	8
9	---	---	1.82	1.63	2.01	13.5	8.67	4.65	3.54	4.19	---	---	9
10	---	---	1.82	1.65	2.02	16.8	8.35	4.59	3.81	4.14	---	---	10
11	---	---	1.82	1.68	2.19	19.5	8.11	4.53	3.71	4.08	---	---	11
12	---	---	1.79	1.70	2.25	22.4	8.10	4.47	3.73	4.09	---	---	12
13	---	---	1.74	1.73	2.34	23.8	7.74	4.43	3.81	4.01	---	---	13
14	---	---	1.71	1.72	2.45	24.3	7.60	4.46	3.71	3.97	---	---	14
15	---	---	1.68	1.71	2.65	23.9	7.44	4.41	3.68	3.99	---	---	15
16	---	---	1.64	1.71	3.11	25.0	7.08	4.33	3.66	3.98	---	---	16
17	---	---	1.62	1.71	3.59	22.0	6.76	4.24	3.60	4.01	---	---	17
18	---	---	1.69	1.70	4.06	19.2	6.52	4.20	3.62	3.98	---	---	18
19	---	---	1.61	1.73	4.13	19.1	6.35	4.14	3.67	3.86	---	---	19
20	---	---	1.60	1.70	4.06	19.6	6.46	4.12	3.68	3.81	---	---	20
21	---	---	1.62	1.95	4.43	19.8	6.36	4.05	3.66	3.78	---	---	21
22	---	---	1.61	2.67	4.96	18.8	6.18	4.03	3.61	3.79	---	---	22
23	---	---	1.64	2.96	6.65	18.3	5.99	4.04	3.54	3.78	---	---	23
24	---	---	1.63	2.40	7.20	15.8	5.82	4.00	3.51	3.75	---	---	24
25	---	---	1.63B	2.17	10.4	15.3	5.73	3.91	3.52	3.73	---	---	25
26	---	---	1.64	2.28	9.66	14.5	5.66	4.14	4.56	3.69	---	---	26
27	---	---	1.62	2.50	7.47	14.5	5.49	3.99	4.40	3.60	---	---	27
28	---	---	1.64	2.76	6.11	15.4	5.40	3.93	4.25	3.57	---	---	28
29	---		1.65	2.62	5.74	15.4	5.39	3.86	4.18	3.54	---	---	29
30	---		1.67	2.44	5.88	14.7	5.27	3.80	4.10	3.48	---	---	30
31	---		1.66		6.90		5.22	3.74		3.47		---	31
TOTAL	---	---	53.39	58.35	128.68	519.7	242.40	135.89	112.58	122.75	---	---	TOTAL
MEAN	---	---	1.72	1.95	4.15	17.3	7.82	4.38	3.75	3.96	---	---	MEAN
MAX	---	---	1.94	2.96	10.4	25.8	14.5	5.19	4.56	4.39	---	---	MAX
MIN	---	---	1.60	1.63	2.01	10.1	5.22	3.74	3.49	3.47	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.61
MAXIMUM DAILY, 25.0 ON JUN 16
MINIMUM DAILY, 1.60 ON MAR 20
MAXIMUM INSTANTANEOUS,
28.4 AT 23:20 MST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 114 47 37 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20 900
FEB	---	AUG	11 700
MAR	4 610	SEP	9 730
APR	5 040	OCT	10 600
MAY	11 100	NOV	---
JUN	44 900	DEC	---

TOTAL DISCHARGE, 119 000 dam³

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80B	3.35B	3.00B	2.35B	4.60	14.9	18.6	7.11	4.70	6.04	4.67	3.00B	1
2	2.80B	3.32B	2.98B	2.35B	4.87	17.3	19.4	7.00	4.63	6.07	4.60A	2.98B	2
3	2.80B	3.30B	2.95B	2.38B	4.76	18.3	17.1	6.85	4.58	6.10	4.50B	2.96B	3
4	2.82B	3.25B	2.90B	2.40B	4.27	18.6	16.1	6.76	5.09	6.07	4.45B	2.94B	4
5	2.85B	3.22B	2.95B	2.43B	4.08	21.3	15.5	6.64	5.14	6.02	4.40B	2.92B	5
6	2.90B	3.20B	2.97B	2.47B	3.96	22.5	14.4	6.47	4.93	6.01	4.35B	2.90B	6
7	2.95B	3.15B	3.00B	2.60B	3.96	20.0	13.7	6.31	4.82	5.98	4.25B	2.88B	7
8	3.05B	3.10B	3.05B	2.70B	3.75	18.7	13.1	6.24	4.77	5.85	4.20B	2.86B	8
9	3.10B	3.08B	3.10B	2.80B	3.61	20.5	12.4	6.24	4.73	5.69	4.15B	2.88B	9
10	3.20B	3.05B	3.20B	2.90B	3.70	23.2	11.8	6.09	5.42	5.61	4.10B	2.90B	10
11	3.25B	3.00B	3.15B	3.00B	4.09	24.5	11.3	5.98	5.14	5.52	4.05B	2.95B	11
12	3.30B	2.98B	3.12B	3.10B	4.22	25.8	11.3	5.88	4.98	5.53	4.00B	3.00B	12
13	3.40B	2.95B	3.08B	3.20B	4.20	27.1	11.0	5.80	5.09	5.43	3.95B	3.10B	13
14	3.40B	2.90B	3.02B	3.2B	4.35	27.8	10.6	5.85	5.04	5.39	3.90B	3.15B	14
15	3.35B	2.88B	2.97B	3.03	4.58	27.3	10.3	5.82	4.91	5.40	3.85B	3.20B	15
16	3.30B	2.85B	2.94B	2.88	5.11	28.9	9.82	5.68	5.05	5.52	3.80B	3.18B	16
17	3.28B	2.83B	2.90B	3.15	5.40	26.2	9.35	5.69	4.94	5.65	3.75B	3.15B	17
18	3.25B	2.80B	2.88B	3.30	5.83	22.3	8.91	5.45	4.89	5.51	3.70B	3.13B	18
19	3.20B	2.80B	2.85B	3.08	5.96	21.5	8.67	5.37	4.88	5.37	3.65B	3.11B	19
20	3.15B	2.85B	2.84B	3.37	5.77	21.7	8.92	5.36	4.97	5.22	3.60B	3.10B	20
21	3.25B	2.95B	2.82B	4.31	5.97	21.6	8.91	5.35	4.98	5.17	3.55B	3.09B	21
22	3.35B	3.05B	2.81B	5.91	6.52	20.8	8.59	5.26	4.97	5.15	3.50B	3.09B	22
23	3.40B	3.15B	2.75B	6.54	7.99	20.6	8.29	5.29	4.88	5.16	3.45B	3.04B	23
24	3.45B	3.20B	2.70B	5.45	8.47	18.2	8.13	5.21	4.89	5.08	3.40B	3.00B	24
25	3.60B	3.20B	2.65B	4.42	11.7	17.5	8.16	5.11	4.90	5.04	3.23B	2.95B	25
26	3.58B	3.18B	2.60B	4.63	12.2	16.9	8.12	5.53	6.74	5.02	3.15B	2.95B	26
27	3.56B	3.15B	2.50B	4.87	10.6	17.4	7.75	5.41	6.71	4.95	3.12B	2.95B	27
28	3.54B	3.10B	2.45B	5.31	8.83	19.6	7.56	5.11	6.35	4.99	3.10B	2.95B	28
29	3.50B		2.38B	5.14	8.82	19.9	7.48	5.09	6.26	4.99	3.08B	2.96B	29
30	3.45B		2.35B	4.54	9.63	19.3	7.35	4.96	6.05	4.91	3.05B	2.98B	30
31	3.40B		2.35B		11.5		7.18	4.82		4.67		3.00B	31
TOTAL	100.23	85.84	88.21	107.89	193.30	640.3	339.79	179.73	155.43	169.11	114.55	93.25	TOTAL
MEAN	3.23	3.07	2.85	3.60	6.24	21.3	11.0	5.80	5.18	5.46	3.82	3.01	MEAN
MAX	3.60	3.35	3.20	6.54	12.2	28.9	19.4	7.11	6.74	6.10	4.67	3.20	MAX
MIN	2.80	2.80	2.35	2.35	3.61	14.9	7.18	4.82	4.58	4.67	3.05	2.86	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.21
MAXIMUM DAILY, 28.9 ON JUN 16
MINIMUM DAILY, 2.35B ON MAR 30
MAXIMUM INSTANTANEOUS,
30.7 AT 02:22 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 53 N
LONG 114 34 10 W
DRAINAGE AREA, 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 660	JUL	29 400
FEB	7 420	AUG	15 500
MAR	7 620	SEP	13 400
APR	9 320	OCT	14 600
MAY	16 700	NOV	9 900
JUN	55 300	DEC	8 060

TOTAL DISCHARGE, 196 000 dam³

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.64	18.0	23.0	6.87	6.06	7.71	---	---	1
2	---	---	---	---	5.65	16.7	23.8	6.74	5.90	7.68	---	---	2
3	---	---	---	---	5.69	18.5	20.7	6.63	5.80	7.61	---	---	3
4	---	---	---	---	5.09	19.5	18.8	6.55	6.40	7.58	---	---	4
5	---	---	---	---	4.71	21.5	17.8	6.46	6.59	7.45	---	---	5
6	---	---	---	---	4.63	24.5	16.1	6.33	6.23	7.40	---	---	6
7	---	---	---	---	4.82	23.3	15.2	6.20	5.93	7.34	---	---	7
8	---	---	---	---	4.75	21.1	14.8	6.09	5.86	7.21	---	---	8
9	---	---	---	---	4.51	21.8	14.2	6.12	5.72	6.98	---	---	9
10	---	---	---	---	4.30	24.0	13.4	6.18	6.30	6.88	---	---	10
11	---	---	---	---	4.57	25.2	12.6	6.06	6.60	6.76	---	---	11
12	---	---	---	---	5.01	26.6	12.0	5.88	6.35	6.66	---	---	12
13	---	---	---	---	5.03	27.7	11.9	5.84	6.47	6.64	---	---	13
14	---	---	---	---	5.05	28.6	11.2	6.04	6.38	6.58	---	---	14
15	---	---	---	---	5.30	30.5	10.8	6.18	6.29	6.59	---	---	15
16	---	---	---	---	5.93	32.3	10.3	6.02	6.38	6.68	---	---	16
17	---	---	---	---	6.09	30.7	9.56	5.99	6.44	6.79	---	---	17
18	---	---	---	---	6.43	25.8	9.14	5.87	6.27	6.70	---	---	18
19	---	---	---	---	6.88	23.8	8.78	5.79	6.37	6.77	---	---	19
20	---	---	---	---	6.55	23.3	8.99	5.73	6.40	6.58	---	---	20
21	---	---	---	---	6.59	23.6	9.02	5.74	6.29	6.57	---	---	21
22	---	---	---	---	6.88	23.1	8.56	5.63	6.05	6.43	---	---	22
23	---	---	---	---	7.56	22.8	8.20	5.72	5.93	6.50	---	---	23
24	---	---	---	---	8.56	20.9	7.92	5.79	5.94	6.42	---	---	24
25	---	---	---	---	9.92	19.1	7.94	5.69	6.04	6.25	---	---	25
26	---	---	---	---	12.4	18.4	8.02	6.33	7.96	6.03	---	---	26
27	---	---	---	---	13.9	18.6	7.54	6.80	9.11	6.15	---	---	27
28	---	---	---	---	11.7	24.1	7.23	6.59	8.40	6.00	---	---	28
29	---		---	---	11.0	25.3	6.96	6.38	8.30	6.08	---	---	29
30	---		---	---	10.8	25.6	6.94	6.37	8.05	5.99	---	---	30
31	---		---		11.8		6.85	6.35		5.92		---	31
TOTAL	---	---	---	---	217.74	700.9	367.85	190.96	196.81	208.93	---	---	TOTAL
MEAN	---	---	---	---	7.02	23.4	11.9	6.16	6.56	6.74	---	---	MEAN
MAX	---	---	---	---	13.9	32.3	23.4	6.87	9.11	7.71	---	---	MAX
MIN	---	---	---	---	4.30	14.0	6.85	5.63	5.72	5.92	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.2
MAXIMUM DAILY, 32.3 ON JUN 16
MINIMUM DAILY, 4.30 ON MAY 10
MAXIMUM INSTANTANEOUS,
38.2 AT 21:20 MST ON JUN 15

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 114 10 00 W

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	31 800
FEB	---	AUG	16 500
MAR	---	SEP	17 000
APR	---	OCT	18 100
MAY	18 800	NOV	---
JUN	60 600	DEC	---

TOTAL DISCHARGE, 163 000 dam³

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.29B	1.30	8.86	21.7	1.29	1.26	1.62	1.61	1.75	1
2	---	---	---	---	1.33	10.8	21.4	1.37	1.28	1.60	1.53	1.83	2
3	---	---	---	---	1.32	17.6 A	20.6	1.40	1.31	1.63	1.51	1.83	3
4	---	---	---	---	1.35	24.0	16.7	1.33	1.40	1.88	1.44	1.50	4
5	---	---	---	---	1.31	25.9	16.6	1.30	1.40	2.96	1.33	1.47	5
6	---	---	---	---	1.36	25.5	16.7	1.25	1.85	3.20	1.31	1.71	6
7	---	---	---	---	1.52	28.6	15.6	1.25	1.52	3.27	1.32	1.73B	7
8	---	---	---	---	1.40	31.3	13.0	1.25	1.55	3.18	1.32	1.74B	8
9	---	---	0.610B	---	1.38	17.4	11.0	1.20	1.39	1.73	1.33	1.75	9
10	---	---	---	---	1.37	19.7	9.94	1.23	1.37	1.68	1.34	1.63	10
11	---	---	---	---	1.53	22.4	9.56	1.28	1.28	1.73	1.35	1.37	11
12	---	---	---	---	1.66	24.2	5.72	1.22	1.32	1.56	1.33	1.35	12
13	---	---	---	---	1.67	23.7	4.65	1.22	1.34	1.48	1.32	1.64	13
14	---	---	---	---	1.67	23.9	5.05	1.25	1.35	1.44	1.31	1.65	14
15	---	---	---	---	1.57	25.2	3.41	1.26	1.35	1.46	1.31	1.66	15
16	---	---	---	---	1.44	27.1	3.66	1.27	1.36	1.47	1.30	1.68	16
17	---	---	---	---	1.38	24.7	4.59	1.22	1.37	1.46	1.30	1.69	17
18	---	1.26B	---	---	3.82	24.4	2.93	1.25	1.42	1.46	1.30	1.37	18
19	---	---	---	---	1.42	20.9	1.58	1.22	1.38	1.50	1.29	1.39	19
20	---	---	---	1.13B	1.38	20.2	1.46	1.25	1.34	1.45	1.27	1.63	20
21	---	---	---	---	1.42	15.7	1.49	1.21	1.36	1.50	1.25	1.67	21
22	---	---	---	---	1.39	15.6	1.52	1.27	1.40	2.82	1.23B	1.37	22
23	---	---	---	---	1.43	20.9	1.50	1.27	1.42	4.28	1.20	1.29	23
24	---	---	---	---	1.48	20.9	1.46	1.21	1.38	3.37	1.17	1.27B	24
25	---	---	---	---	1.51	18.0	1.56	1.21	1.39	1.61	1.15B	1.24	25
26	---	---	---	---	1.53	16.5	1.50	1.28	1.68	1.62	1.13	1.24	26
27	---	---	---	---	8.96	16.5	1.50	1.28	1.44	1.59	1.12	1.25B	27
28	0.760B	---	---	---	11.3	19.3	1.43	1.26	1.25	1.60	1.13	1.25	28
29	---		---	---	9.47	24.0	1.36	1.26	1.58	1.61	1.52	1.29	29
30	---		---	---	7.53	23.9	1.25	1.29	1.58	1.61	1.62	1.27	30
31	---		---		6.20		1.28	1.29		1.62		1.30	31
TOTAL	---	---	---	---	83.40	657.66	221.70	39.14	42.62	60.99	39.64	46.81	TOTAL
MEAN	---	---	---	---	2.69	21.9	7.15	1.26	1.42	1.97	1.32	1.51	MEAN
MAX	---	---	---	---	11.3	37.1	21.7	1.40	1.85	4.28	1.62	1.83	MAX
MIN	---	---	---	---	1.30	8.86	1.25	1.20	1.26	1.44	1.12	1.24	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 37.1 ON JUN 16

MAXIMUM INSTANTANEOUS,
41.9 AT 13:37 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 55 N
LONG 114 05 33 W
DRAINAGE AREA, 1 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1932

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 280
FEB	---	AUG	3 380
MAR	---	SEP	3 680
APR	---	OCT	5 270
MAY	7 210	NOV	3 420
JUN	56 800	DEC	4 040

ELKWATER LAKE - STATION NO. 05AH025

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1226.089	1226.422	1226.569	1226.440	1226.331	1226.217	1226.172	---	1
2	---	---	---	---	1226.091	1226.441	1226.543	1226.444	1226.340	1226.216	1226.172	---	2
3	---	---	---	---	1226.093	1226.492	1226.463	1226.443E	1226.334	1226.211	1226.172	---	3
4	---	---	---	---	1226.095	1226.523	1226.462	1226.443	1226.314	1226.215	1226.167	---	4
5	---	---	---	---	1226.099	1226.556	1226.495	1226.442	1226.313	1226.210	1226.167	---	5
6	---	---	---	---	1226.106	1226.586	1226.501	1226.437	1226.298	1226.209E	1226.162	---	6
7	---	---	---	1225.935	1226.110	1226.623	1226.495	1226.436	1226.292	1226.208	1226.162	---	7
8	---	---	---	---	1226.114	1226.657	1226.490	1226.435	1226.286	1226.208	1226.157	---	8
9	---	---	---	---	1226.123	1226.674	1226.492	1226.435	1226.286	1226.202	1226.157	---	9
10	---	---	---	---	1226.126	1226.663	1226.458	1226.439	1226.280	1226.202	1226.157	---	10
11	---	---	---	---	1226.128	1226.654	1226.448E	1226.439	1226.279	1226.196	1226.157	---	11
12	---	---	---	---	1226.130	1226.643	1226.437	1226.433	1226.279	1226.200	1226.162	---	12
13	---	---	1225.889	1225.987	1226.131	1226.643	1226.461	1226.422	1226.273	1226.195	1226.162	---	13
14	---	---	---	---	1226.134	1226.641	1226.466	1226.417	1226.268	1226.189	1226.167	---	14
15	---	---	---	---	1226.132	1226.638	---	1226.411	1226.262	1226.188	1226.167	---	15
16	---	---	---	---	1226.130	1226.635	1226.465	1226.405	1226.256	1226.183	1226.167	---	16
17	---	---	---	---	1226.130	1226.632	1226.464	1226.400	1226.256	1226.182	1226.167	---	17
18	---	---	---	---	1226.135	1226.630	1226.458	1226.399	1226.250	1226.177	---	---	18
19	---	---	---	---	1226.140	1226.626	1226.468	1226.399	1226.245	1226.176	---	---	19
20	---	---	---	1226.013	1226.238	1226.613	1226.467	1226.397	1226.239	1226.175	---	---	20
21	---	---	---	---	1226.237	---	1226.465	1226.392	1226.238	1226.180	---	---	21
22	---	---	---	---	1226.236	1226.576	1226.456	1226.392	1226.233	1226.179	---	---	22
23	---	---	---	---	1226.234	---	1226.465	1226.386	1226.232	1226.179	---	---	23
24	---	1225.883	---	---	1226.232	---	1226.460	1226.381	1226.226	1226.173	---	---	24
25	---	---	---	---	1226.230	---	1226.449	1226.375	1226.221	1226.167	---	---	25
26	---	---	---	---	1226.228	---	1226.453	1226.374	1226.220	1226.202	---	---	26
27	---	---	---	---	1226.231	1226.523	1226.443	1226.374	1226.220	1226.167	---	---	27
28	---	---	---	---	1226.237	1226.516	1226.442	1226.368	1226.219	1226.172	---	---	28
29	---		---	---	1226.315E	1226.514	1226.444	1226.362	1226.223	1226.172	---	---	29
30	---		1225.923	---	1226.393	1226.494	1226.436	1226.357	1226.223	1226.172	---	---	30
31	---		---		1226.407		1226.440	1226.356		1226.177		---	31
MEAN	---	---	---	---	1226.176	---	---	1226.408	1226.265	1226.190	---	---	MEAN
MAX	---	---	---	---	1226.407	---	---	1226.444	1226.340	1226.217	---	---	MAX
MIN	---	---	---	---	1226.089	---	---	1226.356	1226.219	1226.167	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 44 N
LONG 110 17 10 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.352B	0.167B	0.038B	0.036B	33.9B	23.5	4.98	2.79	2.14	1.52	1.33 B	0.860B	1
2	0.345B	0.159B	0.038B	0.036B	35.1B	22.2	4.79	2.81	2.16	1.45	1.32 B	0.830B	2
3	0.338B	0.152B	0.038B	0.036B	37.8	21.1	4.80	2.94	2.13	1.40	1.31 B	0.805B	3
4	0.331B	0.143B	0.038B	0.036B	36.3	20.4	4.94	2.93	2.03	1.35	1.30 B	0.785B	4
5	0.324B	0.134B	0.037B	0.036B	37.8	19.5	4.98	3.01	1.84	1.38	1.29 B	0.770B	5
6	0.317B	0.128B	0.037B	0.036B	30.4	18.4	4.95	3.16	1.90	1.33	1.28 B	0.750B	6
7	0.310B	0.122B	0.037B	0.036B	31.9	17.4	4.75	3.50	1.91	1.33	1.27 B	0.730B	7
8	0.303B	0.116B	0.037B	0.040B	36.0	16.3	4.37	3.40	1.78	1.36	1.27 B	0.710B	8
9	0.297B	0.109B	0.037B	0.050B	33.0	15.2	4.08	3.14	1.78	1.44	1.26 B	0.695B	9
10	0.291B	0.102B	0.036B	0.060B	30.9	14.4	3.79	2.96	1.71	1.37	1.25 B	0.680B	10
11	0.285B	0.095B	0.036B	0.070B	29.2	13.7	3.50	2.83	1.77	1.39	1.24 B	0.665B	11
12	0.280B	0.090B	0.036B	0.080B	28.3	12.8	3.39	2.79	1.77	1.39	1.24 B	0.655B	12
13	0.276B	0.085B	0.036B	0.090B	27.9	12.5	3.27	2.63	1.77	1.39	1.23 B	0.646B	13
14	0.270B	0.078B	0.036B	0.100B	26.5	12.1	3.04	2.62	1.74	1.30	1.22 B	0.638B	14
15	0.265B	0.072B	0.036B	0.104B	27.1	11.6	2.83	2.76	1.80	1.28	1.21 B	0.638B	15
16	0.259B	0.066B	0.036B	0.108B	28.1	11.0	2.67	2.79	1.81	1.38	1.19 B	0.638B	16
17	0.253B	0.062B	0.036B	0.112B	29.4	10.8	2.58	2.76	1.68	1.30B	1.17 B	0.638B	17
18	0.248B	0.057B	0.036B	0.200B	30.4	10.0	2.54	2.76	1.60	1.28B	1.15 B	0.638B	18
19	0.242B	0.052B	0.036B	0.400B	31.1	9.46	2.48	2.73	1.57	1.26B	1.12 B	0.638B	19
20	0.237B	0.047B	0.036B	0.800B	31.5	8.94	2.46	2.61	1.57	1.24B	1.10 B	0.638B	20
21	0.233B	0.042B	0.036B	1.40 B	29.7	8.50	2.39	2.56	1.58	1.22B	1.08 B	0.638B	21
22	0.228B	0.040B	0.036B	2.20 B	27.0	8.21	2.61	2.49	1.61	1.20B	1.06 B	0.638B	22
23	0.223B	0.039B	0.036B	4.00 B	26.4	7.82	3.06	2.50	1.50	1.22B	1.04 B	0.638B	23
24	0.218B	0.039B	0.036B	8.00 B	28.7	7.42	3.10	2.44	1.51	1.28B	1.02 B	0.638B	24
25	0.213B	0.039B	0.036B	12.0 B	30.3	6.84	3.84	2.24	1.52	1.36B	1.00 B	0.638B	25
26	0.208B	0.039B	0.036B	18.0 B	30.6	6.42	2.90	2.30	1.48	1.42B	0.975B	0.638B	26
27	0.203B	0.039B	0.036B	28.0 B	29.1	6.11	2.99	2.29	1.57	1.48B	0.955B	0.638B	27
28	0.198B	0.038B	0.036B	38.0 B	27.8	5.79	2.78	2.26	1.63	1.44B	0.930B	0.638B	28
29	0.193B		0.036B	45.0 B	26.7	5.40	2.76	2.26	1.62	1.40B	0.905B	0.642B	29
30	0.186B		0.036B	41.5 B	25.7	5.06	2.73	2.18	1.51	1.36B	0.885B	0.644B	30
31	0.175B		0.036B		24.4		2.76	2.10		1.34B		0.648B	31
TOTAL	8.101	2.351	1.129	200.566	939.0	368.87	106.11	83.54	51.99	41.86	34.680	21.085	TOTAL
MEAN	0.261	0.084	0.036	6.69	30.3	12.3	3.42	2.69	1.73	1.35	1.15	0.680	MEAN
MAX	0.352	0.167	0.038	45.0	37.8	23.5	4.98	3.50	2.16	1.52	1.33	0.860	MAX
MIN	0.175	0.038	0.036	0.036	24.4	5.06	2.39	2.10	1.48	1.20	0.885	0.638	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.09
MAXIMUM DAILY, 45.0B ON APR 29
MINIMUM DAILY, 0.036B ON MAR 10
MAXIMUM INSTANTANEOUS,
50.0B AT 05:38 MST ON APR 30

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 04 N
LONG 111 42 51 W
DRAINAGE AREA, 2 480 km²

.B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	700	JUL 9 170	
FEB	203	AUG 7 220	
MAR	97.5	SEP 4 490	
APR 17	300	OCT 3 620	
MAY 81	100	NOV 2 990	
JUN 31	900	DEC 1 820	

TOTAL DISCHARGE, 161 000 dam³

ETHEL LAKE NEAR COLD LAKE - STATION NO. 06AC004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	540.625	540.575	540.641	540.631	540.604	540.828	541.103	540.985	---	---	1
2	---	---	540.623	540.577	540.643	540.629	540.616	540.844	541.108	540.993	---	---	2
3	---	540.665A	540.621	540.585	540.646	540.629	540.630	540.870	541.115	540.992	---	---	3
4	---	540.661	540.619	540.591	540.648	540.632	540.639	540.887	541.117	540.993	---	---	4
5	---	540.657	540.620	540.597	540.639	540.640	540.646	540.904	541.118	540.982	---	---	5
6	---	540.655	540.621	540.608	540.640	540.637	540.647	540.915	541.122	540.988	---	---	6
7	---	540.649	540.622	540.605	540.635	540.637	540.642	540.923	541.131	540.993	---	---	7
8	---	540.646	540.622	540.611	540.634	540.650	540.642	540.929	541.135	540.992	---	---	8
9	---	540.643	540.626	540.609	540.632	540.657	540.640	540.937	541.141	540.993	---	---	9
10	---	540.636	540.627	540.601	540.633	540.665	540.636	540.940	541.149	540.995	---	---	10
11	---	540.633	540.627	540.597	540.640	540.662	540.631	540.945	541.149	540.994	---	---	11
12	---	540.628	540.634	540.595	540.646	540.662	540.628	540.951	541.147	540.991	---	---	12
13	---	540.625	540.630	540.595	540.644	540.665	540.626	540.955	541.144	540.996	---	---	13
14	---	540.622	540.628	540.597	540.645	540.663	540.622	540.959	541.130	540.998	---	---	14
15	---	540.617	540.626	540.599	540.644	540.636	540.623	540.967	541.118	540.993	---	---	15
16	---	540.614	540.623	540.598	540.646	540.635	540.634	540.978	541.091	540.992	---	---	16
17	---	540.610	540.620	540.603	540.641	540.632	540.648	540.988	541.074	540.991	---	---	17
18	---	540.605	540.615	540.608	540.643	540.625	540.665	540.992	541.056	540.990	---	---	18
19	---	540.609	540.613	540.610	540.643	540.622	540.679	541.001	541.035	540.986	---	---	19
20	---	540.614	540.610	540.611	540.652	540.615	540.691	541.004	541.027	540.991	---	---	20
21	---	540.618	540.609	540.614	540.651	540.615	540.702	541.013	541.017	540.991	---	---	21
22	---	540.621	540.607	540.620	540.653	540.612	540.708	541.021	541.001	540.987	---	---	22
23	---	540.626	540.607	540.625	540.656	540.606	540.722	541.032	540.998	540.985	---	---	23
24	---	540.626	540.606	540.632	540.653	540.598	540.751	541.036	540.993	540.981	---	---	24
25	---	540.622	540.601	540.633	540.655	540.597	540.756	541.037	540.990	540.980	---	---	25
26	---	540.623	540.598	540.634	540.654	540.599	540.768	541.038	540.979	540.979	---	---	26
27	---	540.626	540.595	540.638	540.648	540.593	540.781	541.037	540.973	540.972A	---	---	27
28	---	540.629	540.590	540.638	540.644	540.588	540.791	541.045	540.969	---	---	---	28
29	---		540.586	540.642	540.643	540.581	540.797	541.049	540.964	---	---	---	29
30	---		540.584	540.640	540.637	540.578	540.811	541.073	540.966	---	---	---	30
31	---		540.579		540.636		540.819	541.094		---		---	31
MEAN	---	---	540.613	540.609	540.644	540.624	540.684	540.974	541.069	---	---	---	MEAN
MAX	---	---	540.634	540.642	540.656	540.665	540.819	541.094	541.149	---	---	---	MAX
MIN	---	---	540.579	540.575	540.632	540.578	540.604	540.828	540.964	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 541.149 ON SEP 10

MAXIMUM INSTANTANEOUS,
541.158 AT 08:00 MST ON SEP 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 40 N
LONG 110 20 00 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.002B	0.118B	0.200	0.183	0.420	0.231	0.227	0.125B	---	1
2	---	---	---	0.002B	0.118B	0.170	0.190	0.358	0.207	0.306	0.119B	---	2
3	---	---	---	0.002B	0.104B	0.169	0.488	0.312	0.195	0.440	0.125B	---	3
4	---	---	---	0.002B	0.103B	0.156	2.19	0.268	0.307	0.407	---	---	4
5	---	---	---	0.002B	0.150B	0.290	3.03	0.239	0.285	0.373	---	---	5
6	---	---	---	0.002B	0.090B	0.307	1.87	0.219	0.232	0.354	---	---	6
7	---	---	---	0.003B	0.085B	0.324	1.38	0.204	0.210	0.334	---	---	7
8	---	---	---	0.003B	0.095B	0.433	0.966	0.196	0.196	0.300	---	---	8
9	---	---	---	0.003B	0.240B	0.616	0.729	0.364	0.188	0.282	---	---	9
10	---	---	---	0.003B	0.330B	0.429	0.592	0.607	0.180	0.292	---	---	10
11	---	---	---	0.003B	0.315B	0.363	0.500	0.377	0.174	0.309	---	---	11
12	---	---	---	0.004B	0.330B	0.309	0.438	0.327	0.207	0.308	---	---	12
13	---	---	---	0.004B	0.270B	0.273	0.394	0.278	0.196	0.323	---	---	13
14	---	---	---	0.004B	0.268B	0.241	0.616	0.337	0.176	0.321	---	---	14
15	---	---	---	0.004B	0.265B	0.217	0.941	0.384	0.172	0.296	---	---	15
16	---	---	---	0.004B	0.250B	0.191	0.698	0.366	0.165	0.277	---	---	16
17	---	---	---	0.005B	0.245B	0.172	0.592	0.302	0.156	0.259	---	---	17
18	---	---	---	0.006B	0.240B	0.162	0.534	0.271	0.149	0.220B	---	---	18
19	---	---	---	0.007B	0.200B	0.154	0.683	0.255	0.146	0.186B	---	---	19
20	---	---	---	0.020B	0.155B	0.151	0.582	0.245	0.142	0.161B	---	---	20
21	---	---	---	0.055B	0.150B	0.145	0.558	0.243	0.138	0.158	---	---	21
22	---	---	---	0.100B	0.155B	0.148	0.586	0.321	0.134	0.161	---	---	22
23	---	---	---	0.145B	0.165B	0.146	0.507	0.239	0.130	0.181	---	---	23
24	---	---	---	0.150B	0.228B	0.140	0.478	0.206	0.126	0.173	---	---	24
25	---	---	---	0.140B	0.270B	0.135	0.423	0.213	0.124	0.186	---	---	25
26	---	---	---	0.130B	0.320B	0.131	0.375	0.283	0.182	0.183	---	---	26
27	---	---	---	0.115B	0.407B	0.164	0.337	0.251	0.173	0.172	---	---	27
28	---	---	---	0.112B	0.394A	0.331	0.308	0.346	0.220	0.168	---	---	28
29	---		---	0.110B	0.361	0.215	0.288	0.277	0.266	0.154B	---	---	29
30	---		---	0.112B	0.305	0.190	0.257	0.279	0.233	0.102B	---	---	30
31	---		---		0.242		0.242	0.258		0.130B		---	31
TOTAL	---	---	---	1.254	6.960	7.088	21.951	9.325	5.640	7.783	---	---	TOTAL
MEAN	---	---	---	0.042	0.225	0.236	0.708	0.298	0.188	0.251	---	---	MEAN
MAX	---	---	---	0.150	0.407	0.616	3.03	0.607	0.307	0.440	---	---	MAX
MIN	---	---	---	0.002	0.085	0.131	0.183	0.196	0.124	0.139	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.280
MAXIMUM DAILY, 3.03 ON JUL 5
MINIMUM DAILY, 0.002B ON APR 1
MAXIMUM INSTANTANEOUS,
3.99 AT 21:45 MST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 10 N
LONG 117 13 55 W
DRAINAGE AREA, 17.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 900
FEB	---	AUG	797
MAR	---	SEP	487
APR	108	OCT	672
MAY	601	NOV	---
JUN	612	DEC	---

TOTAL DISCHARGE, 5 180 dam³

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	6.10	0.095	0	0.001	0.001	0	---	---	1
2	---	---	0B	0 B	5.07	0.081	0	0.004	0.001	0	---	---	2
3	---	---	0B	0 B	4.33	0.064	0.001	0.004	0.001	0	---	---	3
4	---	---	0B	0 B	4.05	0.060	0.001	0.003	0.001	0	---	---	4
5	---	---	0B	0 B	4.15	0.032	0.001	0.141	0.001	0	---	---	5
6	---	---	0B	0 B	4.27	0.033	0.001	0.042	0.001	0	---	---	6
7	---	---	0B	0 B	4.50	0.044	0.001	0.012	0.001	0	---	---	7
8	---	---	0B	0 B	4.36	0.019	0	0.005	0.001	0	---	---	8
9	---	---	0B	0 B	3.98	0.009	0	0.003	0.001	0	---	---	9
10	---	---	0B	0 B	3.42	0.006	0	0.010	0.001	0	---	---	10
11	---	---	0B	0 B	3.13	0.004	0	0.005	0.001	0	---	---	11
12	---	---	0B	0 B	2.82	0.003	0	0.002	0.001	0	---	---	12
13	---	---	0B	0 B	2.62	0.003	0	0.002	0.001	0	---	---	13
14	---	---	0B	0 B	2.42	0.003	0	0.001	0.001	0	---	---	14
15	---	---	0B	0 B	2.30	0.002	0	0.001	0	0	---	---	15
16	---	---	0B	0 B	2.26	0.002	0	0.001	0	0	---	---	16
17	---	---	0B	0 B	2.16	0.002	0	0.001	0	0	---	---	17
18	---	---	0B	0 B	2.12	0.002	0	0.001	0	0	---	---	18
19	---	---	0B	0.002B	2.03	0.002	0	0.001	0	0	---	---	19
20	---	---	0B	0.020B	1.76	0.001	0	0.001	0	0	---	---	20
21	---	---	0B	0.146B	1.53	0.001	0	0.001	0	0	---	---	21
22	---	---	0B	1.13 B	1.29	0.001	0.001	0.001	0	0	---	---	22
23	---	---	0B	5.73 B	1.02	0.001	0.001	0.001	0	0	---	---	23
24	---	0B	0B	12.4	0.817	0.001	0.001	0.001	0	0	---	---	24
25	---	0B	0B	12.5	0.665	0.001	0.001	0.001	0	0	---	---	25
26	---	0B	0B	12.7	0.527	0.001	0.002	0.001	0	0	---	---	26
27	---	0B	0B	11.3	0.395	0.001	0.001	0.001	0	0	---	---	27
28	---	0B	0B	10.5	0.353	0.001	0.001	0.001	0	0	---	---	28
29	---		0B	8.88	0.265	0	0.001	0.001	0	0	---	---	29
30	---		0B	7.32	0.103	0	0	0.001	0	0	---	---	30
31	---		0B		0.226		0.001	0.001		0			31
TOTAL	---	---	0	82.628	75.041	0.475	0.015	0.252	0.014	0	---	---	TOTAL
MEAN	---	---	0	2.75	2.42	0.016	0	0.008	0	0	---	---	MEAN
MAX	---	---	0	12.7	6.10	0.095	0.002	0.141	0.001	0	---	---	MAX
MIN	---	---	0	0	0.103	0	0	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.647
MAXIMUM DAILY, 12.7 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.7 AT 00:00 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 27 00 N
LONG 119 07 10 W
DRAINAGE AREA, 754 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.30
FEB	---	AUG	21.8
MAR	0	SEP	1.21
APR	7 140	OCT	0
MAY	6 480	NOV	---
JUN	41.0	DEC	---

TOTAL DISCHARGE, 13 780 dam³

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.138	0.957	1.88	2.00	1.48	1.14	0.301	---	1
2	---	---	---	---	0.144	0.971	2.30	2.06	1.37	1.02	0.340	---	2
3	---	---	---	---	0.126	1.06	2.18	2.08	1.31	0.903	0.330B	---	3
4	---	---	---	---	0.164	1.15	2.00	2.01	1.27	0.843	0.315B	---	4
5	---	---	---	---	0.277	1.17	2.07	2.03	1.35	0.806	0.307B	---	5
6	---	---	---	---	0.280	1.31	1.91	1.93	1.32	0.795	---	---	6
7	---	---	---	---	0.301	1.34	1.79	1.97	1.22	0.714	---	---	7
8	---	---	---	---	0.304	1.31	1.61	1.96	1.15	0.687	---	---	8
9	---	---	---	---	0.312	1.19	1.55	1.99	1.15	0.689	---	---	9
10	---	---	---	---	0.309	1.27	1.48	1.97	1.10	0.714	---	---	10
11	---	---	---	---	0.279	1.18	1.43	1.97	1.01	0.687	---	---	11
12	---	---	---	---	0.273	1.11	1.51	1.91	1.02	0.881	---	---	12
13	---	---	---	---	0.258	1.14	1.61	1.79	0.971	0.907	---	---	13
14	---	---	---	---	0.249	1.15	1.67	1.72	0.951	0.984	---	---	14
15	---	---	---	---	0.245	1.19	1.62	1.71	1.07	0.969	---	---	15
16	---	---	---	---	0.260	1.31	1.64	1.70	0.930	1.05	---	---	16
17	---	---	---	---	0.244	1.41	1.68	1.61	0.941	1.12	---	---	17
18	---	---	---	---	0.240	1.36	1.73	1.66	0.995	1.16	---	---	18
19	---	---	---	---	0.241	1.26	1.71	1.69	1.07	1.22	---	---	19
20	---	---	---	---	0.362	1.28	1.68	1.65	1.10	1.19	---	---	20
21	---	---	---	0.205A	0.416	1.26	1.83	1.67	1.04	1.03	---	---	21
22	---	---	---	0.200	0.447	1.27	1.94	1.76	1.05	1.00	---	---	22
23	---	---	---	0.177	0.398	1.35	1.99	1.78	1.09	0.867	---	---	23
24	---	---	---	0.187	0.417	1.48	1.99	1.79	1.04	0.627	---	---	24
25	---	---	---	0.158	0.449	1.45	2.02	1.76	1.10	0.515	---	---	25
26	---	---	---	0.139	0.436	1.50	2.30	1.83	1.39	0.489	---	---	26
27	---	---	---	0.116	0.812	1.60	2.27	1.91	1.72	0.367	---	---	27
28	---	---	---	0.083	1.27	1.64	2.15	1.89	1.59	0.332	---	---	28
29	---		---	0.121	1.35	1.78	2.02	1.73	1.39	0.314	---	---	29
30	---		---	0.184	1.08	1.84	1.99	1.68	1.24	0.320	---	---	30
31	---		---		0.907		1.98	1.54		0.317		---	31
TOTAL	---	---	---	---	12.868	39.348	57.53	56.66	35.638	24.497	---	---	TOTAL
MEAN	---	---	---	---	0.415	1.31	1.86	1.83	1.18	0.790	---	---	MEAN
MAX	---	---	---	---	1.27	1.86	2.30	2.08	1.72	1.22	---	---	MAX
MIN	---	---	---	---	0.126	0.957	1.43	1.54	0.930	0.314	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 2.30 ON JUL 2
MINIMUM DAILY, 0.126 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 10
LONG 113 05 00

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 970
FEB	---	AUG	4 980
MAR	---	SEP	3 660
APR	---	OCT	2 130
MAY	1 110	NOV	---
JUN	3 390	DEC	---

TOTAL DISCHARGE, 19 680 dam³

FALLENTIMBER CREEK NEAR SUNDOG - STATION NO. 05CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.46B	---	7.33E	3.86	1.70	2.40	---	---	1
2	---	---	---	---	2.36B	---	6.85A	3.51	1.55	2.25	---	---	2
3	---	---	---	---	1.70B	---	8.39	3.36	1.40	2.32	---	---	3
4	---	---	---	---	1.32B	---	12.2	3.38	1.46	2.21	---	---	4
5	---	---	---	---	1.40B	---	10.3	3.00	1.76	2.07	---	---	5
6	---	---	---	---	1.49	---	11.2	2.70	1.83	1.93	---	---	6
7	---	---	---	---	1.82	---	8.84	2.47	1.62	1.83	---	---	7
8	---	---	---	---	2.19	7.14A	7.49	2.27	1.59	1.72	---	---	8
9	---	---	---	---	2.49	6.65	6.79	2.11	1.35	1.62	---	---	9
10	---	---	---	---	2.77	6.74	6.05	1.98	1.40	1.51	---	---	10
11	---	---	---	---	2.87	5.97	5.25	2.02	1.49	1.51	---	---	11
12	---	---	---	---	2.42A	4.84	4.75	2.10	1.49	1.47	---	---	12
13	---	---	---	---	---	4.19	4.63	1.96	1.46	1.45	---	---	13
14	---	---	---	5.00E	---	3.68A	4.36	1.98	1.39	1.41	---	---	14
15	---	---	---	2.96B	---	3.54E	3.98	1.90	1.40	1.38	---	---	15
16	---	---	---	2.52B	---	---	3.68	1.82	1.40	1.38	---	---	16
17	---	---	---	3.35B	---	---	3.35	1.70	1.37	1.34	---	---	17
18	---	---	---	3.81B	---	---	3.19	1.61	1.32	1.33	---	---	18
19	---	---	---	4.12B	---	---	2.99	1.51	1.20	1.30	---	---	19
20	---	---	---	4.62B	---	---	4.28	1.47	1.13	1.28	---	---	20
21	---	---	---	6.57B	---	---	10.1	1.44	1.11	1.24	---	---	21
22	---	---	---	7.61B	---	---	9.46	1.40	1.14	1.28	---	---	22
23	---	---	---	7.04B	---	---	7.21	1.44	1.11	1.26	---	---	23
24	---	---	---	6.06B	---	---	5.63	1.42	1.08	1.23	---	---	24
25	---	---	---	4.56B	1.76A	---	7.76	1.40	1.07	1.25	---	---	25
26	---	---	---	3.29B	1.91E	---	7.24	1.69	1.41	1.21	---	---	26
27	---	---	---	2.91B	---	---	6.28	2.15	3.00	1.16	---	---	27
28	---	---	---	2.66B	---	---	5.11	2.19	3.09	1.15A	---	---	28
29	---		---	2.33B	---	9.15A	4.58	2.19	2.93	1.15E	---	---	29
30	---		---	2.45B	---	8.81A	4.56	1.98	2.70	1.11E	---	---	30
31	---		---		---		4.01	1.86		1.11E		---	31
TOTAL	---	---	---	---	---	---	205.76	65.83	47.99	46.87	---	---	TOTAL
MEAN	---	---	---	---	---	---	6.64	2.12	1.60	1.51	---	---	MEAN
MAX	---	---	---	---	---	---	10.3	3.86	3.09	2.40	---	---	MAX
MIN	---	---	---	---	---	---	2.99	1.40	1.07	1.11	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 10.3 ON JUL 5

MAXIMUM INSTANTANEOUS, 24.5 AT 22:21 MST ON JUL 4

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 10 N
LONG 114 39 20 W

DRAINAGE AREA, 479 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17 800
FEB	---	AUG	5 690
MAR	---	SEP	4 150
APR	---	OCT	4 050
MAY	---	NOV	---
JUN	---	DEC	---

FAWCETT LAKE NEAR SMITH - STATION NO. 07BK008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	611.412	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	611.573	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	611.611	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	611.625	---	---	---	---	---	611.379	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 10 20 N
LONG 113 51 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PIRESBAC RIVER NEAR THE MOUTH - STATION NO. 07DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.60B	6.52B	6.04B	5.44B	61.8B	37.1	18.3	22.3	16.9E	16.7E	16.2B	10.6 B	1
2	7.40B	6.51B	6.00B	5.44B	68.0B	36.1	16.2	21.8	16.9E	16.6E	16.1B	10.4 B	2
3	7.30B	6.50B	5.98B	5.44B	75.0B	35.1	16.3	21.5	16.9E	16.5E	16.0B	10.2 B	3
4	7.25B	6.48B	5.96B	5.44B	80.0E	32.8	16.3	21.4	17.0E	16.4E	15.9B	10.1 B	4
5	7.20B	6.46B	5.94B	5.44B	84.5E	32.2	16.6	21.5	17.0E	16.4E	15.7B	9.85B	5
6	7.15B	6.44B	5.92B	5.44B	87.0E	30.6	15.5	20.9	17.0E	16.3E	15.6B	9.75B	6
7	7.10B	6.42B	5.88B	5.44B	88.5E	29.3	15.7	21.2E	17.0E	16.3E	15.5B	9.65B	7
8	7.05B	6.40B	5.84B	5.44B	89.0E	28.6	15.7	21.6E	17.0E	16.2E	15.3B	9.53B	8
9	7.00B	6.39B	5.80B	5.60B	88.5E	28.0	15.6	21.7E	17.2E	16.1E	15.1B	9.45B	9
10	6.98B	6.38B	5.78B	5.80B	87.5E	27.8	16.0	21.5E	17.4E	16.0E	15.0B	9.40B	10
11	6.95B	6.37B	5.76B	6.00B	86.0E	26.6	16.5	21.3E	18.0E	15.9E	14.8B	9.38B	11
12	6.93B	6.36B	5.74B	6.50B	84.0E	26.0	16.5	21.0E	18.6E	15.8E	14.7B	9.36B	12
13	6.90B	6.34B	5.72B	7.00B	82.0E	25.1	16.4	20.6E	18.9E	15.7E	14.5B	9.34B	13
14	6.87B	6.33B	5.70B	7.50B	79.5E	23.9	16.5	20.3E	19.0E	15.8E	14.4B	9.32B	14
15	6.84B	6.32B	5.68B	8.00B	77.0E	23.9	16.6	19.9E	19.0A	15.9E	14.3B	9.31B	15
16	6.80B	6.30B	5.66B	8.20B	74.5E	22.7	16.6	19.6E	19.3E	16.0E	14.1B	9.30B	16
17	6.77B	6.29B	5.63B	8.40B	72.0E	22.2	16.5	19.3E	19.4E	16.0E	13.9B	9.29B	17
18	6.74B	6.28B	5.60B	8.60B	68.4A	22.0	16.1	19.0E	19.1E	16.0B	13.6B	9.28B	18
19	6.71B	6.27B	5.58B	8.80B	66.4	21.8	16.2	18.6E	18.8E	15.9B	13.4B	9.27B	19
20	6.68B	6.26B	5.56B	11.0 B	64.4	21.0	15.1	18.2E	18.4E	15.8B	13.1B	9.26B	20
21	6.65B	6.24B	5.54B	13.8 B	62.2	20.0	15.6	17.8E	18.1E	15.7B	12.9B	9.25B	21
22	6.63B	6.22B	5.52B	16.9 B	59.1	19.4	16.2	17.4E	17.9E	15.7B	12.6B	9.24B	22
23	6.62B	6.20B	5.49B	19.8 B	56.5	18.3	19.2	17.2E	17.7E	15.9B	12.4B	9.23B	23
24	6.61B	6.18B	5.46B	24.0 B	54.3	18.0	21.8	16.8E	17.5E	16.4B	12.2B	9.22B	24
25	6.60B	6.16B	5.44B	28.0 B	52.2	17.6	23.2	16.5E	17.4E	16.7B	11.9B	9.21B	25
26	6.59B	6.14B	5.44B	32.0 B	49.1	17.0	24.7	16.1E	17.3E	16.8B	11.7B	9.20B	26
27	6.58B	6.12B	5.44B	37.0 B	46.9	16.2	25.1	16.0E	17.2E	16.9B	11.5B	9.20B	27
28	6.57B	6.08B	5.44B	43.0 B	45.0	15.7	25.2	16.1E	17.1E	16.8B	11.3B	9.20B	28
29	6.56B		5.44B	50.0 B	42.7	15.2	25.1	16.4E	17.0E	16.7B	11.1B	9.19B	29
30	6.55B		5.44B	55.0 B	40.6	14.5	24.6	16.7E	16.8E	16.6B	10.8B	9.19B	30
31	6.54B		5.44B		39.5		23.3	16.8E		16.4B		9.19B	31
TOTAL	212.62	176.96	175.86	454.42	2 111.3	724.7	537.8	597.0	532.8	502.9	415.6	293.36	TOTAL
MEAN	6.86	6.32	5.67	15.1	68.1	24.2	17.3	19.3	17.8	16.2	13.9	9.46	MEAN
MAX	7.50	6.52	6.04	55.0	89.0	37.1	25.2	22.3	19.4	16.9	16.2	10.6	MAX
MIN	6.54	6.08	5.44	5.44	39.5	14.5	16.1	16.0	16.8	15.7	10.8	9.19	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.5
MAXIMUM DAILY, 89.0E ON MAY 8
MINIMUM DAILY, 5.44B ON MAR 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 38 30 N
LONG 111 10 30 W
DRAINAGE AREA, 6 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 400	JUL	46 500
FEB	15 300	AUG	51 600
MAR	15 200	SEP	46 000
APR	39 300	OCT	43 500
MAY	182 000	NOV	35 900
JUN	62 600	DEC	25 300

TOTAL DISCHARGE, 583 000 dam³

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.085B	1.03	2.38	2.06	0.109E	0.015	0.729	0.148B	---	1
2	---	---	0 B	0.075B	0.943	1.27	2.21	0.095	0.014	0.629	---	---	2
3	---	---	0 B	0.065B	0.814	1.17	1.94	0.076	0.025	0.478	---	---	3
4	---	---	0 B	0.050B	0.549	1.10	1.75	0.072	0.035	0.367	---	---	4
5	---	---	0 B	0.037B	0.462	1.01	1.57	0.061	0.193	0.278	---	---	5
6	---	---	0 B	0.037B	0.446	2.31	1.44	0.057	0.175	0.266	---	---	6
7	---	---	0 B	0.057B	0.438	4.67	1.41	0.049	0.139	0.254	---	---	7
8	---	---	0 B	0.095B	0.399	4.45	1.34	0.037	0.108	0.229	---	---	8
9	---	---	0 B	0.166B	0.383	2.91	1.17	0.031	0.108	0.211	---	---	9
10	---	---	0 B	0.729B	0.367	1.75	1.12	0.027	0.191	0.193	---	---	10
11	---	---	0 B	0.899B	0.367	1.44	1.01	0.021	0.108	0.184	---	---	11
12	---	---	0 B	1.39 B	0.494	1.28	0.966	0.021	0.108	0.166	---	---	12
13	---	---	0 B	3.45 B	0.530	1.12	0.870	0.019	0.139	0.157	---	---	13
14	---	---	0 B	2.94 B	0.462	0.966	0.814	0.019	0.114	0.157	---	---	14
15	---	---	0 B	2.34 B	0.462	0.870	0.729	0.019	0.108	0.148	---	---	15
16	---	---	0 B	1.57 B	0.589	1.03	0.668	0.017	0.103	0.139	---	---	16
17	---	---	0 B	1.54 B	0.549	1.22	0.589	0.016	0.101	0.139	---	---	17
18	---	---	0 B	1.48 B	0.530	1.12	0.510	0.016	0.101	0.133	---	---	18
19	---	---	0 B	1.41 B	0.494	0.966	0.462	0.014	0.095	0.126	---	---	19
20	---	---	0.003B	1.70 B	0.510	0.835	0.383	0.012	0.095	0.126	---	---	20
21	---	---	0.010B	2.18 B	0.494	0.729	0.327	0.012	0.089	0.126	---	---	21
22	---	---	0.015B	3.40 B	0.478	0.609	0.302	0.011	0.083	0.104	---	---	22
23	---	---	0.015B	2.60 B	0.462	0.510	0.254	0.010	0.083	0.104	---	---	23
24	---	---	0.015B	1.62 B	0.446	0.462	0.229	0.009	0.072	0.175	---	---	24
25	---	---	0.015B	1.56 B	0.415	0.367	0.211	0.015	0.069	0.166	---	---	25
26	---	---	0.008B	1.49	0.415	0.302	0.193	0.025	0.061	0.166	---	---	26
27	---	---	0.209B	1.08	0.835	0.254	0.184	0.025	0.966	0.166	---	---	27
28	---	---	0.185B	1.17	1.12	2.38	0.175	0.023	1.18	0.157	---	---	28
29	---		0.166B	1.17	3.55	2.59	0.175	0.021	0.843	0.157	---	---	29
30	---		0.105B	1.10	4.58	2.55	0.139	0.019	0.792	0.157	---	---	30
31	---		0.095B		4.23		0.124E	0.016		0.157		---	31
TOTAL	---	---	0.912	37.485	37.755	44.588	25.312	0.974	6.249	6.904	---	---	TOTAL
MEAN	---	---	0.029	1.25	0.895	1.49	0.817	0.031	0.208	0.223	---	---	MEAN
MAX	---	---	0.209	3.45	4.58	4.67	2.21	0.109	1.18	0.729	---	---	MAX
MIN	---	---	0	0.037	0.367	0.254	0.124	0.009	0.014	0.126	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.613
MAXIMUM DAILY, 4.67 ON JUN 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 53 15 N
LONG 114 19 30 W
DRAINAGE AREA, 259 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 190
FEB	---	AUG	94.3
MAR	78.8	SEP	540
APR	3 240	OCT	597
MAY	2 480	NOV	---
JUN	3 050	DEC	---

TOTAL DISCHARGE, 13 000 dam³

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.320	0.067	0.006	0.018	0.072	0.005	---	---	1
2	---	---	0B	0 B	0.253	0.062	0.006	0.015	0.081	0.008	---	---	2
3	---	---	0B	0 B	0.211	0.051	0.007	0.032	0.069	0.011	---	---	3
4	---	---	0B	0 B	0.211	0.043	0.007	0.055	0.055	0.008	---	---	4
5	---	---	0B	0 B	0.149	0.038	0.008	0.126	0.038	0.005	---	---	5
6	---	---	0B	0 B	0.132	0.028	0.014	0.118	0.038	0.002	---	---	6
7	---	---	0B	0 B	0.144	0.026	0.021	0.098	0.029	0.001	---	---	7
8	---	---	0B	0 B	0.145	0.020	0.035	0.072	0.022	0.003	---	---	8
9	---	---	0B	0 B	0.145	0.026	0.050	0.053	0.028	0.006	---	---	9
10	---	---	0B	0 B	0.132	0.011	0.021	0.037	0.050	0.009	---	---	10
11	---	---	0B	0 B	0.119	0.010	0.010	0.034	0.058	0.012	---	---	11
12	---	---	0B	0 B	0.156	0.004	0.010	0.047	0.068	0.010	---	---	12
13	---	---	0B	0.007B	0.158	0.003	0.025	0.046	0.066	0.010	---	---	13
14	---	---	0B	0.015B	0.135	0.003	0.040	0.040	0.037	0.019	---	---	14
15	---	---	0B	0.008B	0.107	0.003	0.045	0.046	0.036	0.019	---	---	15
16	---	---	0B	0.440B	0.100	0.003	0.044	0.047	0.036	0.021	---	---	16
17	---	---	0B	1.10 B	0.165	0.003	0.022	0.043	0.039	0.024	---	---	17
18	---	---	0B	1.66 B	0.152	0.003	0.008	0.042	0.036	0.024	---	---	18
19	---	---	0B	2.12 B	0.159	0.003	0.005	0.031	0.031	0.037	---	---	19
20	---	---	0B	2.08 B	0.104	0.003	0.005	0.019	0.025	0.033	---	---	20
21	---	---	0B	1.82 B	0.079	0.005	0.010	0.014	0.013	0.039	---	---	21
22	---	---	0B	2.48 B	0.077	0.005	0.024	0.011	0.008	0.025	---	---	22
23	---	---	0B	2.40 B	0.097	0.005	0.106	0.032	0.010	0.015	---	---	23
24	---	---	0B	1.45	0.127	0.005	0.146	0.053	0.012	0.005	---	---	24
25	---	---	0B	1.21	0.088	0.005	0.139	0.059	0.012	0 A	---	---	25
26	---	---	0B	1.05	0.077	0.008	0.137	0.052	0.010	0	---	---	26
27	---	---	0B	0.831	0.076	0.012	0.090	0.044	0.011	0	---	---	27
28	---	---	0B	0.629	0.107	0.017	0.070	0.051	0.011	0	---	---	28
29	---		0B	0.483	0.098	0.004	0.052	0.053	0.008	0	---	---	29
30	---		0B	0.387	0.083	0.005	0.039	0.052	0.005	0	---	---	30
31	---		0B		0.089		0.024	0.061		0		---	31
TOTAL	---	---	0	30.242	4.192	0.475	1.232	1.501	1.019	0.351	---	---	TOTAL
MEAN	---	---	0	0.675	0.135	0.016	0.040	0.048	0.034	0.011	---	---	MEAN
MAX	---	---	0	2.48	0.320	0.067	0.146	0.126	0.081	0.039	---	---	MAX
MIN	---	---	0	0	0.076	0.003	0.005	0.011	0.005	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.136
MAXIMUM DAILY, 2.48B ON APR 22
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
2.68B AT 17:00 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 15 N
LONG 112 54 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	106
FEB	---	AUG	130
MAR	0	SEP	87.6
APR	1 750	OCT	30.3
MAY	362	NOV	---
JUN	41.0	DEC	---

TOTAL DISCHARGE, 2 518 dam³

FREEMAN RIVER NEAR PORT ASSINIBOINE - STATION NO. 07AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.387B	0.460B	24.5	7.54	3.66	12.4	13.4	5.66	2.70B	---	1
2	---	---	0.387B	0.390B	26.7	6.84	3.63	32.6	11.8	5.62	1.72B	---	2
3	---	---	0.387B	0.375B	33.1	7.43	5.15	113	10.3	5.19	---	---	3
4	---	---	0.387B	0.372B	34.3	7.43	26.0	144	8.24	4.87	---	---	4
5	---	---	0.387B	0.372B	29.2	7.48	33.6	151	7.11	4.72	---	---	5
6	---	---	0.387B	0.375B	28.4	7.64	33.3	95.1	6.61	4.30	---	---	6
7	---	---	0.387B	0.382B	18.0	6.34	26.6	47.7	6.24	4.04	---	---	7
8	---	---	0.387B	0.519B	16.0	6.29	22.1	42.1	7.48	3.81	---	---	8
9	---	---	0.387B	0.571B	15.1	5.50	16.3	32.1	7.43	3.63	---	---	9
10	---	---	0.387B	0.490B	13.8	5.19	14.2	27.2	6.65	3.59	---	---	10
11	---	---	0.395B	0.465B	18.6	4.61	14.2	27.3	5.98	3.29	---	---	11
12	---	---	0.400B	0.462B	23.2	4.64	11.1	27.8	5.90	3.32	---	---	12
13	---	---	0.395B	0.486B	28.9	4.34	8.74	27.3	5.39	3.35	---	---	13
14	---	---	0.385B	0.443B	31.6	3.93	8.14	20.1	5.78	3.05	---	---	14
15	---	---	0.378B	0.614B	30.1	3.25	12.0	16.9	8.19	3.02	---	---	15
16	---	---	0.358B	0.660B	31.7	3.25	198	15.1	7.15	3.02	---	---	16
17	---	---	0.338B	0.629B	50.5	3.29	76.8	10.3	6.76	3.15	---	---	17
18	---	---	0.305B	7.20 B	53.2	3.08	47.5	16.5	4.76	3.63	---	---	18
19	---	---	0.290B	3.12 B	80.1	2.98	42.3	10.9	4.04	4.04	---	---	19
20	---	---	0.300B	2.88 B	81.9	2.75	32.8	11.3	3.78	3.89	---	---	20
21	---	---	0.310B	3.78 B	50.3	2.38	26.6	10.0	3.19	3.39	---	---	21
22	---	---	0.320B	4.64 B	50.0	2.24	29.7	10.5	3.29	2.95	---	---	22
23	---	---	0.335B	3.22 B	33.1	2.27	48.0	8.64	3.08	3.05	---	---	23
24	---	---	0.346B	4.15 B	25.9	2.01	43.1	7.69	3.05	3.12	---	---	24
25	---	---	0.367B	3.63	25.3	1.95	32.2	7.48	2.95	3.02	---	---	25
26	---	---	0.401B	5.54	24.0	1.71	39.0	7.02	2.92	2.71	---	---	26
27	---	---	0.408B	7.99	24.0	1.78	36.6	7.43	2.81	2.81	---	---	27
28	---	---	0.401B	12.5	19.6	1.93	27.5	7.74	2.51	2.58B	---	---	28
29	---		0.405B	17.0	17.3	1.95	22.0	7.56	3.02	3.00B	---	---	29
30	---		0.500B	23.2	12.3	3.29	19.2	8.39	2.68	2.95B	---	---	30
31	---		0.495B		8.84		13.5	9.42		2.85B		---	31
TOTAL	---	---	11.84B	106.71B	959.14	125.31	882.92	1 004.85	173.90	112.06	---	---	TOTAL
MEAN	---	---	0.382	3.56	30.9	4.18	28.5	32.4	5.76	3.61	---	---	MEAN
MAX	---	---	0.500	23.2	81.9	7.64	198	151	13.4	5.66	---	---	MAX
MIN	---	---	0.290	0.372	8.84	1.71	3.63	7.02	2.68	2.71	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 151 ON AUG 5
MINIMUM DAILY, 0.290B ON MAR 19

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 21 52 N
LONG 110 54 13 W

DRAINAGE AREA, 1 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	76 380
FEB	---	AUG	86 700
MAR	1 020	SEP	16 860
APR	9 220	OCT	9 660
MAY	82 980	NOV	---
JUN	10 800	DEC	---

TOTAL DISCHARGE, 292 980 dam³

GHOST LAKE NEAR COCHRANE - STATION NO. 05BB005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1191.28	1191.43	1191.43	1191.37	1190.49	1187.04	1189.42	1190.76	1191.10	1191.10	1190.95	1191.49	1
2	1191.34	1191.43	1191.40	1191.34	1190.15	1187.20	1189.42	1190.85	1191.04	1191.13	1190.91	1191.49	2
3	1191.34	1191.46	1191.34	1191.34	1189.85	1187.35	1189.30	1190.95	1191.04	1191.07	1190.95	1191.55	3
4	1191.43	1191.46	1191.34	1191.31	1189.48	1187.56	1189.24	1190.91	1191.07	1191.07	1190.95	1191.59	4
5	1191.46	1191.49	1191.37	1191.31	1189.09	1187.74	1189.36	1190.91	1191.07	1191.04	1190.95	1191.62	5
6	1191.52	1191.52	1191.40	1191.37	1188.69	1187.96	1189.45	1190.95	1191.10	1191.07	1190.85	1191.49	6
7	1191.49	1191.55	1191.46	1191.34	1188.23	1188.14	1189.48	1190.95	1191.10	1191.07	1190.91	1191.37	7
8	1191.49	1191.55	1191.49	1191.34	1187.90	1188.23	1189.51	1190.95	1191.10	1191.04	1190.88	1191.34	8
9	1191.52	1191.62	1191.52	1191.46	1187.68	1188.17	1189.76	1190.95	1191.10	1191.04	1190.79	1191.37	9
10	1191.55	1191.59	1191.49	1191.46	1187.32	1188.32	1189.82	1190.98	1191.13	1191.07	1190.82	1191.49	10
11	1191.62	1191.52	1191.52	1191.49	1187.14	1188.05	1189.76	1190.98	1191.19	1191.07	1190.98	1191.52	11
12	1191.77	1191.49	1191.49	1191.52	1186.98	1188.02	1189.82	1190.95	1191.10	1191.04	1191.01	1191.55	12
13	1191.68	1191.46	1191.46	1191.49	1186.86	1188.05	1189.76	1191.01	1191.13	1191.07	1190.98	1191.55	13
14	1191.71	1191.52	1191.40	1191.43	1186.77	1188.26	1189.76	1191.01	1191.13	1191.07	1191.04	1191.52	14
15	1191.59	1191.52	1191.40	1191.43	1186.40	1188.69	1189.91	1190.98	1191.10	1191.04	1191.04	1191.49	15
16	1191.55	1191.55	1191.37	1191.31	1186.13	1189.02	1190.06	1190.91	1191.19	1191.04	1191.04	1191.49	16
17	1191.46	1191.59	1191.37	1191.31	1185.98	1189.24	1190.06	1190.79	1191.07	1191.01	1191.07	1191.52	17
18	1191.37	1191.59	1191.40	1191.34	1185.92	1189.24	1190.15	1190.73	1191.01	1191.01	1191.10	1191.52	18
19	1191.37	1191.55	1191.34	1191.34	1185.95	1189.24	1190.18	1190.76	1190.98	1190.98	1191.07	1191.52	19
20	1191.34	1191.55	1191.34	1191.31	1186.04	1189.24	1190.34	1190.85	1190.95	1191.01	1191.07	1191.37	20
21	1191.22	1191.55	1191.31	1191.16	1186.19	1189.24	1190.52	1190.91	1190.95	1190.95	1191.07	1191.31	21
22	1191.34	1191.49	1191.43	1191.19	1186.46	1189.27	1190.70	1190.88	1190.95	1191.01	1191.07	1191.22	22
23	1191.31	1191.49	1191.40	1191.28	1186.56	1189.33	1190.82	1190.91	1190.98	1190.98	1190.91	1191.16	23
24	1191.25	1191.43	1191.40	1191.25	1186.63	1189.30	1190.79	1190.91	1190.95	1190.98	1190.98	1190.98	24
25	1191.19	1191.34	1191.43	1191.22	1186.53	1189.27	1190.79	1190.85	1190.98	1190.95	1190.98	1190.98	25
26	1191.19	1191.31	1191.46	1191.19	1186.62	1189.33	1190.70	1190.91	1191.04	1190.95	1191.07	1190.95	26
27	1191.19	1191.34	1191.43	1191.13	1186.83	1189.39	1190.64	1191.01	1191.04	1190.98	1191.22	1190.91	27
28	1191.22	1191.37	1191.43	1191.13	1186.95	1189.48	1190.58	1191.04	1191.01	1190.98	1191.34	1190.82	28
29	1191.31		1191.46	1191.13	1186.95	1189.42	1190.61	1191.07	1191.07	1190.98	1191.40	1190.79	29
30	1191.43		1191.46	1190.82	1186.98	1189.42	1190.67	1191.13	1191.07	1190.98	1191.43	1190.79	30
31	1191.46		1191.46		1186.95		1190.67	1191.13		1190.88		1190.79	31
MEAN	1191.42	1191.49	1191.42	1191.30	1187.31	1188.61	1190.07	1190.93	1191.06	1191.02	1191.03	1191.31	MEAN
MAX	1191.77	1191.62	1191.52	1191.52	1190.49	1189.48	1190.82	1191.13	1191.19	1191.13	1191.43	1191.62	MAX
MIN	1191.19	1191.31	1191.31	1190.82	1185.92	1187.04	1189.24	1190.73	1190.95	1190.88	1190.79	1190.79	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1190.57
MAXIMUM DAILY, 1191.77 ON JAN 12
MINIMUM DAILY, 1185.92 ON MAY 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 114 43 00 W

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	4.19	4.36	1.56	0.878	1.33	0.878	0.142	1
2	0	0	0	0	0	5.01	3.82	1.50	0.878	1.44	0.850	0.113	2
3	0	0	0	0	0	6.37	3.43	1.47	0.878	1.36	0.850	0.085	3
4	0	0	0	0	0	6.43	3.51	1.42	0.963	1.33	0.821	0.028	4
5	0	0	0	0	0	6.54	4.25	1.33	0.991	1.27	0.793	0	5
6	0	0	0	0	0	5.97	6.40	1.27	0.963	1.25	0.793	0	6
7	0	0	0	0	0	4.53	5.89	1.25	0.963	1.25	0.736	0	7
8	0	0	0	0	0	4.36	4.90	1.25	0.934	1.25	0.708	0	8
9	0	0	0	0	0	5.66	4.13	1.22	0.991	1.22	0.680	0	9
10	0	0	0	0	0	6.43	3.45	1.22	0.991	1.19	0.651	0	10
11	0	0	0	0	0.085	7.65	3.23	1.19	0.991	1.16	0.623	0	11
12	0	0	0	0	0.142	8.27	2.97	1.16	0.991	1.16	0.623	0	12
13	0	0	0	0	0.142	8.41	2.69	1.13	1.02	1.13	0.595	0	13
14	0	0	0	0	0.142	8.52	2.66	1.10	1.02	1.13	0.566	0	14
15	0	0	0	0	0.170	8.91	2.44	1.10	1.02	1.13	0.538	0	15
16	0	0	0	0	0.311	10.1	2.27	1.08	1.05	1.10	0.510	0	16
17	0	0	0	0	0.425	7.62	2.12	1.02	1.05	1.10	0.510	0	17
18	0	0	0	0	0.453	6.71	2.01	1.02	1.05	1.08	0.453	0	18
19	0	0	0	0	0.368	6.77	1.93	1.02	1.05	1.08	0.396	0	19
20	0	0	0	0	0.368	6.63	2.18	0.991	1.02	1.05	0.396	0	20
21	0	0	0	0	0.481	6.26	2.35	0.963	1.05	1.02	0.340	0	21
22	0	0	0	0	1.30	6.68	2.44	0.934	1.05	0.991	0.311	0	22
23	0	0	0	0	1.90	6.94	2.27	0.934	1.02	0.991	0.283	0	23
24	0	0	0	0	2.18	5.64	2.12	0.934	1.02	0.991	0.255	0	24
25	0	0	0	0	4.13	5.13	1.95	0.906	1.05	0.991	0.255	0	25
26	0	0	0	0	2.97	4.84	1.87	0.963	1.33	0.963	0.227	0	26
27	0	0	0	0	1.81	5.78	1.73	0.963	1.27	0.963	0.227	0	27
28	0	0	0	0	1.47	5.97	1.84	0.934	1.33	0.934	0.198	0	28
29	0		0	0	1.39	5.24	1.76	0.934	1.30	0.878	0.198	0	29
30	0		0	0	1.59	4.90	1.70	0.934	1.27	0.878	0.170	0	30
31	0		0		2.38		1.61	0.906		0.878		0	31
TOTAL	0	0	0	0	24.207	191.96	90.28	34.606	31.382	34.488	15.434	0.368	TOTAL
MEAN	0	0	0	0	0.781	6.40	2.91	1.12	1.05	1.11	0.514	0.012	MEAN
MAX	0	0	0	0	4.13	10.1	6.40	1.56	1.33	1.44	0.878	0.142	MAX
MIN	0	0	0	0	0	4.19	1.61	0.906	0.878	0.878	0.170	0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 10.1 ON JUN 16
MINIMUM DAILY, 0 ON JAN 1

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 17 00 N
LONG 115 10 00 W

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	7 800
FEB	0	AUG	2 990
MAR	0	SEP	3 710
APR	0	OCT	2 990
MAY	2 090	NOV	1 330
JUN	16 600	DEC	31.8

TOTAL DISCHARGE, 36 500 dam³

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.425	0.510	5.38	5.52	2.04	1.22	1.64	1.05	---	1
2	---	---	---	0.425	0.595	6.54	4.79	1.98	1.22	1.81	1.02	---	2
3	---	---	---	0.425	0.595	9.15	4.28	1.93	1.22	1.78	1.02	---	3
4	---	---	---	0.425	0.566	8.86	4.39	1.84	1.3_	1.61	1.02	---	4
5	---	---	---	0.425	0.510	9.08	5.61	1.78	1.33	1.59	1.02	---	5
6	---	---	---	0.425	0.510	7.73	9.54	1.70	1.30	1.56	1.02	---	6
7	---	---	---	0.425	0.510	5.35	8.07	1.64	1.30	1.56	0.991	---	7
8	---	---	---	0.425	0.510	5.10	6.23	1.61	1.27	1.53	0.991	---	8
9	---	---	---	0.425	0.510	6.68	5.30	1.61	1.30	1.47	0.991	---	9
10	---	---	---	0.425	0.510	8.64	4.42	1.61	1.30	1.44	0.963	---	10
11	---	---	---	0.425	0.595	10.6	4.05	1.59	1.30	1.42	0.963	---	11
12	---	---	---	0.425	0.708	12.3	3.71	1.56	1.30	1.42	0.963	---	12
13	---	---	---	0.425	0.623	12.5	3.36	1.53	1.30	1.42	0.934	---	13
14	---	---	---	0.453	0.651	12.7	3.31	1.50	1.30	1.39	0.906	---	14
15	---	---	---	0.453	0.708	12.6	3.03	1.47	1.30	1.39	0.906	---	15
16	---	---	---	0.453	0.878	14.9	2.78	1.44	1.33	1.36	0.878	---	16
17	---	---	---	0.453	1.05	11.5	2.61	1.42	1.30	1.36	0.878	---	17
18	---	---	---	0.453	1.10	9.54	2.49	1.39	1.30	1.30	0.878	---	18
19	---	---	---	0.453	0.963	9.51	2.38	1.39	1.30	1.30	0.821	---	19
20	---	---	---	0.453	0.906	9.26	2.75	1.36	1.27	1.27	0.821	---	20
21	---	---	---	0.453	1.08	8.44	3.00	1.33	1.25	1.25	0.793	---	21
22	---	---	---	0.510	2.29	9.09	3.09	1.30	1.25	1.22	0.793	---	22
23	---	---	---	0.538	3.00	9.83	2.92	1.30	1.22	1.22	0.793	---	23
24	---	---	---	0.538	3.31	7.02	2.72	1.30	1.22	1.19	0.765	---	24
25	---	---	---	0.481	5.66	6.34	2.55	1.27	1.22	1.19	0.765	---	25
26	---	---	---	0.481	4.11	5.97	2.41	1.33	1.70	1.16	0.736	---	26
27	---	---	---	0.510	2.69	7.36	2.27	1.33	1.59	1.16	0.736	---	27
28	---	---	---	0.538	2.10	7.90	2.44	1.30	1.61	1.13	0.708	---	28
29	---		---	0.538	1.98	6.54	2.29	1.30	1.59	1.08	0.708	---	29
30	---		---	0.510	2.21	6.12	2.21	1.30	1.56	1.08	0.708	---	30
31	---		---		3.20		2.10	1.25		1.08		---	31
TOTAL	---	---	---	13.793	45.138	262.45	116.40	46.70	40.00	42.30	26.539	---	TOTAL
MEAN	---	---	---	0.468	1.46	8.75	3.75	1.51	1.33	1.36	0.885	---	MEAN
MAX	---	---	---	0.538	5.66	14.9	9.54	2.04	1.70	1.81	1.05	---	MAX
MIN	---	---	---	0.425	0.510	5.10	2.10	1.25	1.22	1.08	0.708	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.43
MAXIMUM DAILY, 14.9 ON JUN 16
MINIMUM DAILY, 0.425 ON APR 1

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 18 00 N
LONG 115 11 00 W
DRAINAGE AREA, 211 km²

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 100
FEB	---	AUG	4 030
MAR	---	SEP	3 460
APR	1 150	OCT	3 650
MAY	3 900	NOV	2 290
JUN	22 700	DEC	---

TOTAL DISCHARGE, 51 300 dam³

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.75B	2.25B	1.70B	1.90B	4.48	6.30	7.64	6.45	5.90	7.08	4.40	3.35B	1
2	2.65B	2.20B	1.68B	1.95B	4.95	6.03	7.16	6.51	5.72	7.01	4.06A	3.35B	2
3	2.55B	2.15B	1.65B	1.95B	4.63	6.66	6.79	6.32	5.73	6.76	4.05B	3.32B	3
4	2.50B	2.10B	1.65B	2.00B	3.79	6.63	6.98	6.30	6.29	6.57	4.10B	3.30B	4
5	2.50B	2.05B	1.65B	2.05B	3.81	6.27	8.17	6.22	6.32	6.33	4.15B	3.30B	5
6	2.45B	2.00B	1.65B	2.08B	3.65	7.58	8.58	6.26	6.06	6.19	4.10B	3.28B	6
7	2.45B	1.95B	1.64B	2.11B	3.56	6.81	8.27	6.34	5.97	6.02	4.00B	3.25B	7
8	2.50B	1.90B	1.64B	2.15B	3.38	6.74	8.19	6.36	5.89	5.83	3.90B	3.22B	8
9	2.50B	1.85B	1.64B	2.17B	3.27	7.23	7.87	6.32	5.74	5.62	3.85B	3.20B	9
10	2.50B	1.85B	1.64B	2.20B	3.54	8.03	6.91	6.28	6.33	5.59	3.75B	3.20B	10
11	2.55B	1.85B	1.65B	2.22B	4.40	8.07	6.44	6.30	6.09	5.48	3.70B	3.20B	11
12	2.55B	1.85B	1.65B	2.24B	5.10	7.88	6.42	6.33	6.08	5.37	3.65B	3.25B	12
13	2.57B	1.90B	1.65B	2.26B	4.92	7.88	6.41	6.23	6.17	5.33	3.55B	3.25B	13
14	2.54B	1.90B	1.65B	2.28B	5.01	7.47	6.11	6.25	6.04	5.25	3.50B	3.22B	14
15	2.50B	1.90B	1.65B	2.31B	5.37	6.97	5.96	6.31	6.04	5.26	3.45B	3.20B	15
16	2.45B	1.94B	1.66B	2.34B	6.15	8.17	5.93	6.16	6.05	5.31	3.35B	3.20B	16
17	2.40B	1.94B	1.67B	2.29B	5.88	7.34	5.88	5.98	6.03	5.29	3.30B	3.15B	17
18	2.35B	1.96B	1.68B	2.40B	5.52	6.17	5.83	5.99	6.02	5.21	3.25B	3.05B	18
19	2.35B	1.95B	1.69B	2.51B	5.24	5.90	5.85	5.90	5.94	5.13	3.20B	3.00B	19
20	2.35B	1.90B	1.70B	2.59	4.84	5.85	7.08	6.00	5.94	5.04	3.10B	3.00B	20
21	2.35B	1.85B	1.71B	3.21	4.79	5.55	8.00	5.91	5.83	5.06	3.05B	2.96B	21
22	2.35B	1.80B	1.72B	6.69	4.69	5.58	8.23	5.86	5.86	4.92	3.05B	2.92B	22
23	2.30B	1.78B	1.73B	8.58	4.79	7.93	7.68	6.00	5.88	4.86	3.05B	2.90B	23
24	2.30B	1.75B	1.74B	6.27	4.61	6.35	7.08	5.97	5.80	4.76	3.00B	2.85B	24
25	2.40B	1.73B	1.75B	4.72	5.24	5.97	7.06	5.91	5.75	4.73	3.10B	2.82B	25
26	2.40B	1.70B	1.75B	4.64	4.81	5.80	7.11	6.49	9.11	4.73	3.15B	2.80B	26
27	2.40B	1.70B	1.76B	4.69	5.24	6.69	6.88	6.44	8.10	4.65	3.25B	2.76B	27
28	2.45B	1.70B	1.76B	5.17	5.53	10.4	6.98	6.23	7.56	4.55	3.32B	2.73B	28
29	2.40B		1.77B	5.28	5.36	9.05	6.81	6.30	7.60	4.53	3.36B	2.70B	29
30	2.35B		1.78B	4.55	5.26	8.98	6.64	6.36	7.07	4.25	3.35B	2.67B	30
31	2.30B		1.85B		5.59		6.54	6.11		4.45		2.64B	31
TOTAL	76.12	53.40	52.51	97.72	147.36	213.18	217.46	192.39	188.91	167.08	106.17	95.04	TOTAL
MEAN	2.46	1.91	1.69	3.26	4.75	7.11	7.01	6.21	6.30	5.39	3.54	3.07	MEAN
MAX	2.75	2.25	1.85	8.58	6.15	10.4	8.58	6.51	9.11	7.01	4.40	3.35	MAX
MIN	2.30	1.70	1.64	1.90	3.27	5.55	5.83	5.86	5.72	4.25	3.05	2.64	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.40
MAXIMUM DAILY, 10.4 ON JUN 28
MINIMUM DAILY, 1.64B ON MAR 7
MAXIMUM INSTANTANEOUS,
12.2 AT 00:30 MST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 00 N
LONG 114 45 50 W
DRAINAGE AREA, 909 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 580	JUL	18 800
FEB	4 610	AUG	16 600
MAR	4 540	SEP	16 300
APR	8 440	OCT	14 400
MAY	12 700	NOV	9 170
JUN	18 400	DEC	8 210

TOTAL DISCHARGE, 139 000 dam³

GLENMORE RESERVOIR AT CALGARY - STATION NO. 05BJ008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1074.304	1072.631	1071.951	1071.595	1070.198	1075.039	1074.362	1075.417	1075.465	1076.258	1076.593	1075.283	1
2	1074.287	1072.632	1071.921	1071.610	1070.180	1075.100	1074.383	1075.407	1075.465	1076.291	1076.569	1075.255	2
3	1074.109	1072.609	1071.896	1071.616	1070.176	1075.081	1074.322	1075.475	1075.450	1076.328	1076.535	1075.222	3
4	1073.987	1072.585	1071.866	1071.622	1070.182	1074.914	1074.338	1075.499	1075.502	1076.365	1076.517	1075.222	4
5	1073.865	1072.539	1071.832	1071.616	1070.197	1074.786	1074.313	1075.496	1075.545	1076.368	1076.483	1075.200	5
6	1073.756	1072.586	1071.796	1071.631	1070.219	1074.740	1074.262	1075.465	1075.560	1076.365	1076.459	1075.158	6
7	1073.652	1072.478	1071.774	1071.631	1070.268	1074.572	1074.201	1075.447	1075.563	1076.371	1076.435	1075.106	7
8	1073.542	1072.457	1071.750	1071.628	1070.292	1074.262	1074.188	1075.435	1075.572	1076.377	1076.310	1075.082	8
9	1073.439	1072.436	1071.747	1071.631	1070.313	1074.316	1074.213	1075.435	1075.588	1076.395	1076.279	1074.978	9
10	1073.335	1072.396	1071.723	1071.671	1070.322	1074.365	1074.228	1075.420	1075.633	1076.407	1076.246	1074.950	10
11	1073.253	1072.353	1071.707	1071.750	1070.258	1074.368	1074.222	1075.386	1075.657	1076.423	1076.221	1074.911	11
12	1073.192	1072.311	1071.689	1071.918	1070.201	1074.338	1074.298	1075.374	1075.679	1076.441	1076.182	1074.862	12
13	1073.137	1072.271	1071.662	1072.110	1070.186	1074.356	1074.405	1075.368	1075.703	1076.468	1076.148	1074.847	13
14	1073.103	1072.225	1071.631	1072.302	1070.167	1074.390	1074.481	1075.398	1075.721	1076.496	1076.093	1074.807	14
15	1073.076	1072.201	1071.610	1072.497	1070.161	1074.536	1074.597	1075.398	1075.734	1076.517	1076.051	1074.764	15
16	1073.030	1072.174	1071.598	1072.622	1070.216	1074.620	1074.694	1075.401	1075.749	1076.535	1076.026	1074.737	16
17	1072.994	1072.161	1071.579	1072.713	1070.258	1074.277	1074.734	1075.362	1075.764	1076.569	1075.987	1074.731	17
18	1072.972	1072.158	1071.543	1072.814	1070.277	1074.222	1074.788	1075.313	1075.779	1076.602	1075.959	1074.722	18
19	1072.960	1072.146	1071.500	1072.869	1070.356	1074.191	1074.810	1075.280	1075.786	1076.621	1075.926	1074.703	19
20	1072.948	1072.143	1071.463	1072.908	1070.402	1074.176	1074.871	1075.273	1075.801	1076.642	1075.871	1074.693	20
21	1072.920	1072.134	1071.433	1073.015	1070.460	1074.243	1074.929	1075.258	1075.813	1076.654	1075.801	1074.683	21
22	1072.905	1072.104	1071.430	1073.183	1070.518	1074.367	1074.975	1075.248	1075.828	1076.633	1075.715	1074.566	22
23	1072.866	1072.088	1071.430	1073.423	1070.603	1074.338	1075.005	1075.249	1075.834	1076.596	1075.633	1074.527	23
24	1072.835	1072.067	1071.430	1073.621	1070.679	1074.277	1075.069	1075.249	1075.846	1076.560	1075.593	1074.481	24
25	1072.798	1072.055	1071.418	1073.707	1070.801	1074.243	1075.188	1075.267	1075.856	1076.563	1075.511	1074.435	25
26	1072.750	1072.012	1071.412	1073.765	1075.485	1074.222	1075.255	1075.307	1075.962	1076.566	1075.435	1074.414	26
27	1072.734	1071.985	1071.433	1073.847	1075.691	1074.228	1075.304	1075.344	1076.038	1076.590	1075.395	1074.390	27
28	1072.707	1071.960	1071.512	1073.901	1075.633	1074.335	1075.328	1075.374	1076.115	1076.596	1075.359	1074.353	28
29	1072.692		1071.579	1074.024	1074.990	1074.356	1075.317	1075.395	1076.182	1076.612	1075.328	1074.322	29
30	1072.673		1071.546	1074.069	1074.578	1074.377	1075.356	1075.429	1076.224	1076.618	1075.289	1074.298	30
31	1072.649		1071.552		1075.408		1075.383	1075.447		1076.624		1074.280	31
MEAN	1073.206	1072.279	1071.626	1072.578	1074.445	1074.447	1074.784	1075.376	1075.747	1076.498	1075.999	1074.768	MEAN
MAX	1074.304	1072.631	1071.951	1074.069	1075.691	1075.100	1075.383	1075.499	1076.224	1076.654	1076.593	1075.283	MAX
MIN	1072.649	1071.960	1071.412	1071.595	1074.100	1074.176	1074.188	1075.240	1075.450	1076.258	1075.289	1074.280	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1074.319
MAXIMUM DAILY, 1076.654 ON OCT 21
MINIMUM DAILY, 1071.412 ON MAR 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 00 00 N
LONG 114 06 00 W
DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.453B	0.458	0.454	0.433	0.539	0.445	1.60	0.683	0.821	0.696	0.574	0.493	1
2	0.396B	0.416	0.445	0.435	0.611	0.440	1.61	0.671	0.847	0.699	0.571	0.477	2
3	0.453B	0.283B	0.452	0.448	0.186	0.535	1.61	0.675	0.854	0.688	0.556	0.490	3
4	0.425B	0.283B	0.451	0.434	0.183	0.604	1.64	0.704	0.929	0.681	0.554	0.479	4
5	0.396B	0.311B	0.410	0.422	0.306	0.573	1.61	0.661	0.888	0.690	0.572	0.475	5
6	0.368B	0.340B	0.434	0.422	0.537	0.614	1.57	0.641	0.873	0.661	0.572	0.475	6
7	0.368B	0.340B	0.428	0.433	0.547	0.646	1.54	0.630	0.856	0.680	0.559	0.462	7
8	0.425B	0.368B	0.404	0.417	0.529	0.604	1.51	0.646	0.845	0.695	0.549	0.459	8
9	0.453B	0.425B	0.454	0.425	0.519	0.573	1.52	0.615	0.835	0.662	0.537	0.458	9
10	0.454	0.453B	0.470	0.437	0.482	0.537	1.52	0.565	0.842	0.666	0.531	0.459	10
11	0.454	0.458	0.477	0.433	0.509	0.543	1.53	0.562	0.736	0.671	0.546	0.462	11
12	0.459	0.464	0.463	0.436	0.517	0.603	1.54	0.960	0.729	0.661	0.546	0.480	12
13	0.467	0.463	0.740	0.437	0.543	0.662	1.54	1.20	0.768	0.648	0.538	0.454	13
14	0.453B	0.450	0.434	0.507	0.569	0.686	1.52	1.25	0.806	0.644	0.544	0.458	14
15	0.425B	0.445	0.434	0.439	0.552	0.689	1.49	1.96	0.799	0.652	0.528	0.449	15
16	0.453B	0.445	0.423	0.433	0.557	0.847	1.42	2.58	0.764	0.624	0.527	0.452	16
17	0.481B	0.468	0.435	0.436	0.530	0.911	1.48	2.97	0.706	0.633	0.519	0.448	17
18	0.454	0.452	0.446	0.448	0.505	0.900	1.49	3.20	0.639	0.630	0.503	0.448	18
19	0.425B	0.409	0.443	0.441	0.497	0.877	1.48	3.42	0.606	0.638	0.489	0.441	19
20	0.368B	0.423	0.448	0.578	0.488	0.898	1.55	3.71	0.621	0.622	0.504	0.448	20
21	0.340B	0.447	0.461	0.452	0.482	0.905	1.50	3.77	0.609	0.610	0.501	0.438	21
22	0.425B	0.433	0.438	0.599	0.468	0.914	1.49	3.82	1.07	0.627	0.500	0.444	22
23	0.510B	0.402	0.449	0.506	0.497	1.49	1.46	3.70	1.07	0.631	0.473	0.441	23
24	0.504	0.396	0.453	0.506	0.488	1.65	1.44	3.39	0.662	0.623	0.492	0.442	24
25	0.448	0.413	0.468	0.492	0.518	1.65	1.46	3.30	0.732	0.599	0.493	0.441	25
26	0.456	0.436	0.466	0.470	0.540	1.66	1.13	3.48	0.784	0.608	0.481	0.442	26
27	0.436	0.455	0.465	0.475	0.538	1.77	0.729	3.46	0.721	0.598	0.501	0.447	27
28	0.424	0.479	0.471	0.516	0.581	1.71	0.731	3.41	0.679	0.595	0.509	0.443	28
29	0.444		0.506	0.477	0.560	1.63	0.675	3.05	0.668	0.589	0.495	0.446	29
30	0.455		0.468	0.483	0.564	1.57	0.633	3.06	0.692	0.582	0.597	0.428	30
31	0.482		0.539		0.519		0.662	1.81		0.589		0.432	31
TOTAL	13.554	11.613	14.399	13.870	16.221	28.136	42.680	64.473	23.463	19.834	15.863	14.111	TOTAL
MEAN	0.437	0.415	0.464	0.462	0.523	0.938	1.38	2.08	0.782	0.640	0.529	0.455	MEAN
MAX	0.510	0.479	0.740	0.599	0.611	1.77	1.64	3.82	1.07	0.699	0.597	0.493	MAX
MIN	0.340	0.283	0.404	0.417	0.482	0.440	0.633	0.562	0.606	0.582	0.473	0.428	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.762
MAXIMUM DAILY, 3.82 ON AUG 22
MINIMUM DAILY, 0.283B ON FEB 3

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 30 N
LONG 115 25 50 W
DRAINAGE AREA, 98.9 km²

B - ICE CONDITIONS

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 170	JUL	3 690
FEB	1 000	AUG	5 570
MAR	1 240	SEP	2 030
APR	1 200	OCT	1 710
MAY	1 400	NOV	1 370
JUN	2 430	DEC	1 220

TOTAL DISCHARGE, 24 000 dam³

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.282B	0.627	1.05	0.832	0.480	0.394	0.407	0.395B	---	1
2	---	---	---	0.282B	0.728	1.09	0.802	0.480	0.391	0.409	0.372B	---	2
3	---	---	---	0.282B	0.854	1.19	0.770	0.472	0.386	0.408	0.337B	---	3
4	---	---	---	0.282B	0.799	1.30	0.753	0.472	0.433	0.413	0.322B	---	4
5	---	---	---	0.282	0.756	1.35	0.758	0.462	0.405	0.420	---	---	5
6	---	---	---	0.257	0.757	1.41	0.727	0.447	0.396	0.421	---	---	6
7	---	---	---	0.254	0.769	1.36	0.708	0.444	0.385	0.418	---	---	7
8	---	---	---	0.254	0.774	1.27	0.685	0.445	0.385	0.423	---	---	8
9	---	---	---	0.224	0.747	1.22	0.672	0.461	0.385	0.426	---	---	9
10	---	---	---	0.290	0.724	1.22	0.655	0.453	0.393	0.419	---	---	10
11	---	---	---	0.336	0.717	1.20	0.644	0.442	0.395	0.414	---	---	11
12	---	---	---	0.357	0.751	1.17	0.633	0.448	0.400	0.414	---	---	12
13	---	---	---	0.360	0.814	1.17	0.632	0.442	0.409	0.416	---	---	13
14	---	---	---	0.346	0.921	1.17	0.645	0.437	0.400	0.415	---	---	14
15	---	---	---	0.337	1.09	1.15	0.623	0.427	0.400	0.409	---	---	15
16	---	---	---	0.339	1.24	1.11	0.627	0.419	0.403	0.407	---	---	16
17	---	---	---	0.345	1.25	1.06	0.605	0.409	0.405	0.414	---	---	17
18	---	---	---	0.361	1.34	1.01	0.592	0.401	0.402	0.418	---	---	18
19	---	---	---	0.350	1.34	0.957	0.581	0.394	0.403	0.414	---	---	19
20	---	---	---	0.363	1.29	0.927	0.573	0.395	0.396	0.412	---	---	20
21	---	---	---	0.399	1.35	0.903	0.572	0.396	0.397	0.413	---	---	21
22	---	---	---	0.469	1.46	0.876	0.563	0.392	0.394	0.415B	---	---	22
23	---	---	---	0.528	1.58	0.871	0.557	0.399	0.391	0.417B	---	---	23
24	---	---	---	0.514	1.50	0.849	0.551	0.394	0.388	0.418	---	---	24
25	---	---	---	0.493	1.61	0.831	0.542	0.391	0.385	0.417	---	---	25
26	---	---	---	0.517	1.73	0.816	0.550	0.410	0.429	0.413	---	---	26
27	---	---	---	0.541	1.52	0.835	0.531	0.400	0.413	0.409	---	---	27
28	---	---	---	0.576	1.29	0.798	0.526	0.393	0.421	0.407	---	---	28
29	---		---	0.591	1.15	0.810	0.511	0.402	0.416	0.405	---	---	29
30	---		0.282B	0.589	1.09	0.835	0.497	0.407	0.410	0.404	---	---	30
31	---		0.282B		1.04		0.488	0.398		0.404		---	31
TOTAL	---	---	---	11.400	33.606	31.808	19.403	13.212	12.010	12.819	---	---	TOTAL
MEAN	---	---	---	0.380	1.08	1.06	0.626	0.426	0.400	0.414	---	---	MEAN
MAX	---	---	---	0.591	1.73	1.41	0.832	0.480	0.433	0.426	---	---	MAX
MIN	---	---	---	0.224	0.627	0.798	0.488	0.391	0.385	0.404	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.668
MAXIMUM DAILY, 1.73 ON MAY 26
MINIMUM DAILY, 0.385 ON SEP 7
MAXIMUM INSTANTANEOUS,
1.76 AT 02:26 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 08 N
LONG 114 24 00 W
DRAINAGE AREA, 62.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	1 140
MAR	---	SEP	1 040
APR	985	OCT	1 110
MAY	2 900	NOV	---
JUN	2 750	DEC	---

TOTAL DISCHARGE, 10 600 dam³

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.64	0.063	0	0.002	0	0	---	---	1
2	---	---	0B	0 B	1.77	0.052	0	0.037	0	0	---	---	2
3	---	---	0B	0 B	1.44	0.042	0	1.22	0	0	---	---	3
4	---	---	0B	0 B	1.26	0.032	0	2.34	0	0	---	---	4
5	---	---	0B	0 B	0.973	0.038	0	1.33	0	0	---	---	5
6	---	---	0B	0 B	1.03	0.424	0	0.938	0	0	---	---	6
7	---	---	0B	0 B	1.33	0.520	0	0.638	0	0	---	---	7
8	---	---	0B	0 B	1.61	0.355	0	0.411	0	0	---	---	8
9	---	---	0B	0 B	1.84	0.307	0	0.262	0	0	---	---	9
10	---	---	0B	0 B	2.07	0.259	0	0.164	0	0	---	---	10
11	---	---	0B	0 B	2.63	0.188	0	0.101	0	0	---	---	11
12	---	---	0B	0 B	2.14	0.123	0	0.067	0	0	---	---	12
13	---	---	0B	0 B	1.89	0.082	0	0.042	0	0	---	---	13
14	---	---	0B	0 B	1.65	0.080	0	0.031	0	0	---	---	14
15	---	---	0B	0 B	1.36	0.054	0.001	0.022	0	0	---	---	15
16	---	---	0B	0 B	1.18	0.036	0	0.018	0	0	---	---	16
17	---	---	0B	0 B	0.985	0.026	0.001	0.011	0	0	---	---	17
18	---	---	0B	0.001B	0.809	0.017	0	0.006	0	0	---	---	18
19	---	---	0B	0.001B	0.655	0.009	0	0.004	0	0	---	---	19
20	---	---	0B	0.001B	0.528	0.005	0	0.039	0	0	---	---	20
21	---	---	0B	0.001B	0.444	0.003	0.001	0.006	0	0	---	---	21
22	---	---	0B	0.002B	0.355	0.001	0.001	0.005	0	0	---	---	22
23	---	0B	0B	0.004B	0.278	0	0	0.003	0	0	---	---	23
24	---	0B	0B	0.005B	0.214	0	0	0.002	0	0	---	---	24
25	---	0B	0B	0.039	0.178	0	0	0.002	0	0	---	---	25
26	---	0B	0B	1.17	0.150	0	0	0.001	0	0	---	---	26
27	---	0B	0B	2.96	0.135	0	0	0.001	0	0	---	---	27
28	---	0B	0B	4.79	0.125	0	0.001	0	0	0	---	---	28
29	---		0B	5.38	0.103	0	0.001	0	0	0	---	---	29
30	---		0B	4.41	0.084	0	0	0	0	0	---	---	30
31	---		0B		0.075		0.001	0		0		---	31
TOTAL	---	---	0	18.764	31.935	2.716	0.007	7.703	0	0	---	---	TOTAL
MEAN	---	---	0	0.625	1.03	0.091	0	0.248	0	0	---	---	MEAN
MAX	---	---	0	5.38	2.64	0.520	0.001	2.34	0	0	---	---	MAX
MIN	---	---	0	0	0.075	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.249
MAXIMUM DAILY, 5.38 ON APR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.06 AT 20:30 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 22 28 N
LONG 118 54 50 W
DRAINAGE AREA, 152 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	---	AUG	666
MAR	0	SEP	0
APR	1 620	OCT	0
MAY	2 760	NOV	---
JUN	235	DEC	---

TOTAL DISCHARGE, 5 280 dam³

GREASEWOOD RESERVOIR NEAR ELKWATER - STATION NO. 11AB092

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	26.468	---	---	5
6	---	---	29.760E	29.760E	29.980E	29.850E	29.825E	27.620E	25.980E	26.490E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	29.760E	29.890E	29.920E	29.845E	29.815E	25.625E	26.140E	26.650E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	29.760	---	---	---	---	---	25.757	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	30.005E	29.873	29.835E	---	---	26.320E	26.825	---	---	26
27	---	---	29.760E	30.020	29.860E	---	28.660	25.810E	---	26.840E	---	---	27
28	---	29.760E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	29.834	---	---	---	---	---	---	29
30	---		---	30.005E	---	29.832E	---	---	26.380E	---	---	---	30
31	---		29.760E		29.850E		28.230E	25.875E		26.910E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 54 N
LONG 110 23 58 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

GREGOIRE LAKE NEAR FORT MCMURRAY - STATION NO. 07CE001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	475.112	475.186	475.370	475.258	475.230	475.235	475.174	---	---	1
2	---	---	---	475.114	475.205	475.361	475.263	475.228	475.227	475.174	---	---	2
3	---	---	---	475.115	475.227	475.363	475.263	475.220	475.232	475.170	---	---	3
4	---	---	---	475.115	475.248	475.361	475.269	475.226	475.221	475.171	---	---	4
5	---	---	---	475.114	475.258	475.356	475.274	475.235	475.213	475.167	---	---	5
6	---	---	---	475.114	475.267	475.345	475.279	475.243	475.217	475.161	---	---	6
7	---	---	---	475.115	475.276	475.338	475.274	475.255	475.223	475.162	---	---	7
8	---	---	---	475.117	475.282	475.338	475.271	475.249	475.208	475.173	---	---	8
9	---	---	---	475.119	475.292	475.336	475.268	475.260	475.206	475.168	---	---	9
10	---	---	---	475.118	475.299	475.332	475.268	475.255	475.229	475.167	---	---	10
11	---	---	---	475.119	475.310	475.326	475.260	475.256	475.231	475.175	---	---	11
12	---	---	---	475.118	475.317	475.331	475.257	475.259	475.219	475.169	---	---	12
13	---	---	---	475.118	475.322	475.333	475.259	475.258	475.205	475.173	---	---	13
14	---	---	---	475.119	475.333	475.327	475.246	475.258	475.197	475.175	---	---	14
15	---	---	---	475.128	475.345	475.324	475.242	475.257	475.200	475.164	---	---	15
16	---	---	---	475.131	475.350	475.316	475.245	475.257	475.191	475.157	---	---	16
17	---	---	---	475.133	475.362	475.307	475.235	475.261	475.196	475.177	---	---	17
18	---	---	---	475.132	475.368	475.300	475.237	475.266	475.195	475.175	---	---	18
19	---	---	---	475.131	475.378	475.288	475.240	475.261	475.191	475.172	---	---	19
20	---	---	---	475.135	475.380	475.294	475.235	475.256	475.191	475.171	---	---	20
21	---	---	---	475.133	475.380	475.294	475.218	475.257	475.189	475.167	---	---	21
22	---	---	475.109A	475.135	475.382	475.290	475.225	475.259	475.191	475.163	---	---	22
23	---	---	475.107	475.137	475.388	475.276	475.245	475.257	475.188	475.179	---	---	23
24	---	---	475.105	475.139	475.395	475.269	475.245	475.250	475.189	475.166	---	---	24
25	---	---	475.107	475.139	475.390	475.265	475.245	475.249	475.193	475.164	---	---	25
26	---	---	475.103	475.146	475.387	475.259	475.249	475.242	475.184	475.171	---	---	26
27	---	---	475.101	475.151	475.385	475.265	475.253	475.226	475.175	475.189A	---	---	27
28	---	---	475.103	475.157	475.385	475.271	475.253	475.235	475.171	475.180E	---	---	28
29	---		475.106	475.168	475.383	475.269	475.245	475.234	475.182	475.181E	---	---	29
30	---		475.109	475.174	475.376	475.258	475.236	475.222	475.173	475.182E	---	---	30
31	---		475.109		475.376		475.233	475.224		475.183E		---	31
MEAN	---	---	---	475.130	475.330	475.312	475.251	475.247	475.202	475.172	---	---	MEAN
MAX	---	---	---	475.174	475.395	475.370	475.279	475.266	475.235	475.189	---	---	MAX
MIN	---	---	---	475.112	475.186	475.258	475.218	475.220	475.171	475.157	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 475.395 ON MAY 24

MAXIMUM INSTANTANEOUS,
475.406 AT 14:49 MST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 26 30 N
LONG 111 05 10 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.010B	0.460B	0.030	5.19	0.007	0.002	0.001	0.002	---	---	1
2	---	0 B	0.005B	0.345B	0.027	6.60	0.006	0.002	0.001	0.002	---	---	2
3	---	0 B	0.003B	0.243B	0.023	5.27	0.006	0.005	0	0.002	---	---	3
4	---	0 B	0.005B	0.200B	0.022	3.80	0.005	0.004	0	0.002	---	---	4
5	---	0 B	0.010B	0.116B	0.022	1.78	0.008	0.003	0	0.002	---	---	5
6	---	0 B	0.012B	0.060B	0.023	1.09	0.009	0.001	0.001	0.002	---	---	6
7	---	0 B	0.015B	0.085B	0.024	0.845	0.008	0.001	0	0.001	---	---	7
8	---	0 B	0.020B	0.122B	0.024	0.658	0.008	0.002	0	0.001	---	---	8
9	---	0 B	0.700B	0.065B	0.025	0.508	0.007	0.004	0	0.001	---	---	9
10	---	0 B	1.00 B	3.35 B	0.025	0.379	0.007	0.004	0	0.001	---	---	10
11	---	0 B	1.50 B	4.60 B	0.026	0.272	0.007	0.005	0	0.002	---	---	11
12	---	0 B	1.95 B	6.75 B	0.029	0.219	0.007	0.002	0	0.001	---	---	12
13	---	0 B	1.65 B	9.48 B	0.026	0.171	0.007	0.003	0	0.001	---	---	13
14	---	0 B	2.05 B	6.04 B	0.023	0.124	0.007	0.003	0	0.001	---	---	14
15	---	0 B	2.21 B	1.80	0.020	0.079	0.006	0.005	0	0.002	---	---	15
16	---	0 B	0.700B	0.738	0.022	0.212	0.007	0.007	0	0.001	---	---	16
17	---	0.260B	0.450B	0.422	0.020	0.254	0.007	0.004	0	0.002	---	---	17
18	---	0.660B	0.280B	0.339	0.019	0.192	0.006	0.002	0	0.004	---	---	18
19	---	1.17 B	0.140B	0.229	0.038	0.107	0.006	0.002	0	0.002	---	---	19
20	---	1.28 B	0.090B	0.170	0.231	0.066	0.004	0.001	0	0.002	---	---	20
21	---	1.10 B	0.120B	0.150	0.621	0.038	0.003	0.001	0	0.002	---	---	21
22	---	0.700B	0.150B	0.234	0.231	0.025	0.003	0.001	0	0.002	---	---	22
23	---	0.520B	0.100B	0.432	0.096	0.018	0.002	0.001	0	0.002	---	---	23
24	---	0.350B	0.055B	0.373	0.055	0.015	0.002	0.002	0	0.002	---	---	24
25	---	0.050B	0.300B	0.282	0.044	0.012	0.001	0.001	0	0.002	---	---	25
26	---	0.038B	0.500B	0.175	0.037	0.011	0.003	0.001	0	0.002A	---	---	26
27	---	0.028B	0.900B	0.060	0.064	0.009	0.003	0.001	0.003	0.002E	---	---	27
28	---	0.075B	1.50 B	0.045	0.170	0.009	0.003	0.001	0.002	0.002E	---	---	28
29	---		2.33 B	0.043	0.693	0.008	0.002	0.001	0.002	0.002E	---	---	29
30	---		1.45 B	0.034	0.650	0.007	0.001	0.001	0.002	0.002E	---	---	30
31	---		0.730B		0.912		0.001	0.001		0.002E		---	31
TOTAL	---	6.231	20.935	37.442	4.272	27.968	0.159	0.075	0.012	0.056	---	---	TOTAL
MEAN	---	0.223	0.675	1.25	0.138	0.932	0.005	0.002	0	0.002	---	---	MEAN
MAX	---	1.28	2.33	9.48	0.912	6.60	0.009	0.007	0.003	0.004	---	---	MAX
MIN	---	0	0.003	0.034	0.019	0.007	0.001	0.001	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.371
MAXIMUM DAILY, 9.48B ON APR 13
MINIMUM DAILY, 0 ON SEP 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 20 N
LONG 110 30 20 W
DRAINAGE AREA, 214 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.7
FEB	538	AUG	6.48
MAR	1 810	SEP	1.04
APR	3 230	OCT	4.84
MAY	369	NOV	---
JUN	2 420	DEC	---

TOTAL DISCHARGE, 7 860 dam³

GULL LAKE AT ASPEN BEACH - STATION NO. 05CC006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	899.356	---	---	899.251	---	1
2	---	---	---	---	---	---	899.269	---	---	---	---	---	2
3	---	---	---	---	---	---	---	899.366	899.328	---	---	---	3
4	---	---	---	---	---	---	899.304	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	899.323	---	---	---	5
6	---	---	---	---	---	---	899.324	899.346	---	---	---	---	6
7	---	---	---	---	---	---	---	---	899.328	---	---	---	7
8	---	---	---	---	---	899.193	---	899.347	---	---	---	---	8
9	---	---	---	---	---	---	899.395	---	---	---	---	---	9
10	---	---	899.016	---	---	---	---	899.337	---	---	---	---	10
11	---	---	---	---	---	899.203	899.395	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	899.198	899.340	899.327	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	899.218	---	899.337	---	---	---	---	15
16	---	---	---	---	---	---	899.345	---	899.295	---	---	---	16
17	---	---	---	---	---	---	---	899.327	---	---	---	---	17
18	---	---	---	---	---	899.198	899.340	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	899.193	899.335	899.322	---	---	---	---	20
21	---	---	---	---	899.189	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	899.327	---	---	---	---	22
23	---	---	---	---	---	899.194	899.380	---	---	---	---	---	23
24	---	---	---	---	---	---	---	899.328	---	---	---	---	24
25	---	---	---	---	---	899.199	899.376	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	899.376	899.338	---	---	---	---	27
28	---	---	---	---	---	899.204	---	---	---	---	---	---	28
29	---		---	---	---	---	899.380	899.328	---	---	---	---	29
30	---		---	---	---	---	899.376	---	---	---	---	---	30
31	---		---		899.189		---	899.323		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 27 28 N
LONG 113 58 03 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.128	0.191	0.526E	0.289	0.248	0.427	0.232B	---	1
2	---	---	---	---	0.123	0.208	0.538E	0.298	0.229	0.429	0.220B	---	2
3	---	---	---	---	0.104	0.203	0.574E	0.291	0.218	0.473	0.205B	---	3
4	---	---	---	---	0.112	0.209	0.631E	0.300	0.210	0.351	0.200B	---	4
5	---	---	---	---	0.176	0.224	0.693E	0.312	0.229	0.323	0.182B	---	5
6	---	---	---	---	0.[illegible]0	0.213	0.742E	0.310	0.226	0.307	0.176B	---	6
7	---	---	---	---	0.[illegible]9	0.201	0.789A	0.295	0.192	0.323	0.160B	---	7
8	---	---	---	---	0.152	0.210	0.739E	0.266	0.150	0.264	0.153B	---	8
9	---	---	---	---	0.174	0.210	0.689E	0.228	0.143	0.234	0.153B	---	9
10	---	---	---	---	0.177	0.218	0.639E	0.234	0.146	0.212	0.145B	---	10
11	---	---	---	---	0.168	0.188	0.589E	0.237	0.158	0.207	0.135B	---	11
12	---	---	---	---	0.173	0.194	0.539E	0.194	0.163	0.209	0.126B	---	12
13	---	---	---	---	0.178	0.182	0.489E	0.171	0.153	0.213	0.117B	---	13
14	---	---	---	---	0.106	0.160	0.439E	0.219	0.155	0.229	0.108B	---	14
15	---	---	---	---	0.092	0.136	0.389A	0.172	0.153	0.235	0.099B	---	15
16	---	---	---	---	0.146	0.164	0.344	0.163	0.167	0.250	0.088B	---	16
17	---	---	---	---	0.147	0.175	0.327	0.200	0.161	0.282	0.071B	---	17
18	---	---	---	---	0.090	0.138	0.290	0.210	0.171	0.259	0.040B	---	18
19	---	---	---	---	0.114	0.106	0.256	0.200	0.171	0.257	0 B	---	19
20	---	---	---	---	0.079	0.087	0.242	0.184	0.193	0.264	0 B	---	20
21	---	---	---	---	0.071	0.064	0.277	0.210	0.184	0.325	0 B	---	21
22	---	---	---	---	0.070	0.079	0.290	0.218	0.210	0.458	0 B	---	22
23	---	---	---	---	0.132	0.240A	0.254	0.208	0.191	0.376	0 B	---	23
24	---	---	---	---	0.046	0.403A	0.232	0.187	0.171	0.316	0 B	---	24
25	---	---	---	---	0.038	0.376A	0.212	0.148	0.180	0.307	0 B	---	25
26	---	---	---	---	0.070	0.336	0.275	0.173	0.191	0.276	0 B	---	26
27	---	---	---	---	0.100	0.418A	0.252	0.183	0.318	0.270B	0 B	---	27
28	---	---	---	---	0.123	0.481A	0.248	0.235	0.358	0.262B	0 B	---	28
29	---		---	---	0.139	0.500E	0.248	0.230	0.541	0.260B	0 B	---	29
30	---		---	0.178A	0.177	0.513E	0.267	0.256	0.463	0.249B	0 B	---	30
31	---		---		0.203		0.293	0.256		0.238B		---	31
TOTAL	---	---	---	---	3.798	7.019	13.312	7.077	6.443	9.085	2.610	---	TOTAL
MEAN	---	---	---	---	0.123	0.234	0.429	0.228	0.215	0.293	0.087	---	MEAN
MAX	---	---	---	---	0.203	0.513	0.789	0.312	0.541	0.473	0.232	---	MAX
MIN	---	---	---	---	0.038	0.064	0.212	0.148	0.143	0.207	0	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.254
MAXIMUM DAILY, 0.789A ON JUL 7
MINIMUM DAILY, 0.038 ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 113 08 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 150
FEB	---	AUG	611
MAR	---	SEP	557
APR	---	OCT	785
MAY	328	NOV	226
JUN	606	DEC	---

TOTAL DISCHARGE, 4 040 dam³

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.300B	0.170B	0.210B	0.310B	23.0 A	4.65	1.62	2.67	2.21	1.24	0.942B	0.370B	1
2	0.300B	0.170B	0.210B	0.320B	19.0 A	4.02	1.80	2.92	2.15	1.26	0.920B	0.370B	2
3	0.290B	0.170B	0.210B	0.320B	18.9 A	3.81	2.21	4.03	1.96	1.25	0.900B	0.360B	3
4	0.280B	0.170B	0.210B	0.330B	20.8 A	4.20	2.51	6.03	1.79	1.28	0.860B	0.360B	4
5	0.270B	0.170B	0.210B	0.340B	17.7 A	5.66	3.58	7.97	1.65	1.27	0.850B	0.360B	5
6	0.260B	0.170B	0.220B	0.350B	13.8 A	5.57	6.04	8.44	1.54	1.26	0.830B	0.350B	6
7	0.250B	0.170B	0.220B	0.360B	10.4 A	5.26	5.74	8.27	1.51	1.27	0.810B	0.350B	7
8	0.250B	0.170B	0.220B	0.370B	12.3 A	4.76	4.84	7.19	1.40	1.23	0.790B	0.350B	8
9	0.240B	0.170B	0.220B	0.380B	12.7 A	4.16	3.99	5.95	1.43	1.25	0.770B	0.340B	9
10	0.240B	0.170B	0.230B	0.390B	14.2 A	3.73	3.32	4.78	1.92	1.28	0.740B	0.340B	10
11	0.228B	0.170B	0.230B	0.400B	12.9 A	3.41	2.80	4.21	2.13	1.19	0.710B	0.340B	11
12	0.220B	0.170B	0.230B	0.430B	12.7 A	3.03	2.43	4.28	2.14	1.17	0.680B	0.340B	12
13	0.220B	0.170B	0.230B	0.460B	13.4 A	2.88	2.18	4.03	2.02	1.19	0.650B	0.338B	13
14	0.220B	0.170B	0.240B	0.490B	13.4 A	2.75	2.11	3.54	1.90	1.17	0.620B	0.330B	14
15	0.210B	0.170B	0.240B	0.520B	12.5 A	2.55	2.01	3.36	1.82	1.19	0.590B	0.330B	15
16	0.210B	0.170B	0.240B	0.550B	12.0 A	2.89	2.11	3.08	1.78	1.19 B	0.560B	0.330B	16
17	0.210B	0.172B	0.240B	0.600B	11.9 A	2.98	2.21	2.87	1.79	1.18 B	0.540B	0.330B	17
18	0.200B	0.180B	0.250B	0.680B	11.3 A	3.06	2.13	3.62	1.68	1.17 B	0.520B	0.330B	18
19	0.200B	0.180B	0.250B	0.800B	10.6 A	2.82	1.99	3.31	1.58	1.16 B	0.500B	0.330B	19
20	0.200B	0.180B	0.250B	0.940B	10.0 A	2.58	1.93	2.75	1.49	1.15 B	0.480B	0.330B	20
21	0.190B	0.180B	0.250B	1.40 B	9.14A	2.52	1.90	2.52	1.40	1.14 B	0.470B	0.330B	21
22	0.190B	0.180B	0.260B	1.80 B	8.67A	2.27	2.34	2.36	1.35	1.13 B	0.450B	0.330B	22
23	0.180B	0.190B	0.260B	2.50 B	8.66A	2.03	3.60	2.23	1.32	1.12 B	0.440B	0.330B	23
24	0.180B	0.190B	0.260B	3.50 B	8.77	1.87	6.37	2.25	1.31	1.11 B	0.430B	0.330B	24
25	0.180B	0.190B	0.270B	4.80 B	8.32	1.73	6.80	2.38	1.30	1.10 B	0.420B	0.330B	25
26	0.180B	0.200B	0.270B	7.00 B	7.68	1.66	6.14	2.34	1.26	1.07 B	0.410B	0.330B	26
27	0.180B	0.200B	0.280B	9.40 B	7.35	1.52	5.10	2.24	1.26	1.04 B	0.400B	0.330B	27
28	0.180B	0.200B	0.286B	14.0 B	6.87	1.43	4.34	2.22	1.26	1.00 B	0.390B	0.330B	28
29	0.170B		0.290B	18.0 B	6.46	1.34	3.72	2.27	1.25	0.980B	0.380B	0.330B	29
30	0.170B		0.300B	23.0 B	5.78	1.37	3.31	2.17	1.24	0.970B	0.370B	0.330B	30
31	0.170B		0.300B		5.16		2.92	2.19		0.960B		0.330B	31
TOTAL	6.768	4.962	7.586	94.820	366.36	92.51	103.99	118.47	48.84	35.890	18.422	10.508	TOTAL
MEAN	0.218	0.177	0.245	3.16	11.8	3.08	3.35	3.82	1.63	1.16	0.614	0.339	MEAN
MAX	0.300	0.200	0.300	23.0	23.0	5.66	6.80	8.44	2.21	1.28	0.942	0.370	MAX
MIN	0.170	0.170	0.210	0.310	5.16	1.34	1.62	2.17	1.24	0.960	0.370	0.330	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.49
MAXIMUM DAILY, 23.0B ON APR 30
MINIMUM DAILY, 0.170B ON JAN 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 42 16 N
LONG 111 21 20 W
DRAINAGE AREA, 914 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	585	JUL	8 980
FEB	429	AUG	10 200
MAR	655	SEP	4 220
APR	8 190	OCT	3 180
MAY	31 700	NOV	1 590
JUN	7 990	DEC	908

TOTAL DISCHARGE, 78 500 dam³

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.010B	0.004B	0.004B	0.004B	1.08B	2.07	0.389	0.520	0.315	0.177	0.018B	0B	1
2	0.009B	0.004B	0.004B	0.004B	1.22	1.93	0.415	0.516	0.353	0.186	0.008B	0B	2
3	0.008B	0.004B	0.004B	0.004B	1.31	1.77	0.414	0.537	0.347	0.202	0.006B	0B	3
4	0.007B	0.004B	0.004B	0.004B	1.42	1.66	0.468	0.539	0.305	0.197	0.005B	0B	4
5	0.006B	0.004B	0.004B	0.004B	1.42	1.58	0.521	0.572	0.282	0.190	0.003B	0B	5
6	0.005B	0.004B	0.004B	0.004B	1.54	1.51	0.517	0.589	0.275	0.179	0.002B	0B	6
7	0.005B	0.004B	0.004B	0.004B	1.66	1.50	0.500	0.651	0.295	0.195	0.001B	0B	7
8	0.005B	0.004B	0.004B	0.004B	2.16	1.45	0.469	0.669	0.323	0.176	0 B	0B	8
9	0.004B	0.004B	0.004B	0.004B	2.31	1.51	0.430	0.644	0.300	0.169	0 B	0B	9
10	0.004B	0.004B	0.004B	0.004B	2.40	1.44	0.494	0.590	0.308	0.170	0 B	0B	10
11	0.004B	0.004B	0.005B	0.004B	2.53	1.31	0.363	0.559	0.348	0.168	0 B	0B	11
12	0.004B	0.004B	0.005B	0.004B	2.65	1.18	0.391	0.563	0.362	0.166	0 B	0B	12
13	0.004B	0.004B	0.006B	0.004B	2.79	1.19	0.345	0.539	0.350	0.165	0 B	0B	13
14	0.004B	0.004B	0.004B	0.004B	2.83	1.11	0.372	0.466	0.367	0.164	0 B	0B	14
15	0.004B	0.004B	0.004B	0.004B	2.89	1.03	0.394	0.469	0.335	0.163	0 B	0B	15
16	0.004B	0.004B	0.004B	0.004B	2.96	0.955	0.369	0.537	0.314	0.162	0 B	0B	16
17	0.004B	0.004B	0.004B	0.004B	3.16	0.897	0.365	0.535	0.313	0.154	0 B	0B	17
18	0.004B	0.005B	0.004B	0.004B	3.36	0.802	0.376	0.543	0.280	0.139B	0 B	0B	18
19	0.004B	0.005B	0.005B	0.008B	3.40	0.686	0.355	0.526	0.299	0.120B	0 B	0B	19
20	0.004B	0.004B	0.006B	0.020B	3.59	0.549	0.456	0.484	0.299	0.090B	0 B	0B	20
21	0.004B	0.004B	0.008B	0.040B	3.64	0.517	0.572	0.456	0.260	0.076B	0 B	0B	21
22	0.004B	0.004B	0.010B	0.080B	3.53	0.498	0.550	0.430	0.238	0.072B	0 B	0B	22
23	0.004B	0.004B	0.006B	0.500B	3.44	0.457	0.598	0.414	0.254	0.066B	0 B	0B	23
24	0.004B	0.004B	0.006B	0.569B	3.38	0.405	0.688	0.426	0.180	0.062B	0 B	0B	24
25	0.004B	0.004B	0.006B	0.700B	3.19	0.394	0.639	0.413	0.197	0.057B	0 B	0B	25
26	0.004B	0.004B	0.006B	0.775B	3.04	0.429	0.646	0.394	0.214	0.046B	0 B	0B	26
27	0.004B	0.004B	0.005B	0.962B	2.81	0.405	0.666	0.382	0.220	0.036B	0 B	0B	27
28	0.004B	0.004B	0.005B	0.983B	2.63	0.376	0.646	0.376	0.217	0.027B	0 B	0B	28
29	0.004B		0.005B	0.806B	2.45	0.404	0.605	0.378	0.208	0.022B	0 B	0B	29
30	0.004B		0.004B	0.951B	2.27	0.386	0.582	0.368	0.202	0.018B	0 B	0B	30
31	0.004B		0.004B		2.16		0.559	0.348		0.012B		0B	31
TOTAL	0.147	0.114	0.151	6.486	79.22	30.400	15.154	15.443	8.560	3.826	0.035	0	TOTAL
MEAN	0.005	0.004	0.005	0.216	2.56	1.01	0.489	0.498	0.285	0.123	0.001	0	MEAN
MAX	0.010	0.005	0.010	0.983	3.64	2.07	0.688	0.669	0.367	0.202	0.010	0	MAX
MIN	0.004	0.004	0.004	0.004	1.08	0.376	0.345	0.348	0.180	0.012	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.437
MAXIMUM DAILY, 3.64 ON MAY 21
MINIMUM DAILY, 0B ON NOV 8
MAXIMUM INSTANTANEOUS,
3.67 AT 15:59 MST ON MAY 20

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA, 357 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12.7	JUL	1 310
FEB	9.85	AUG	1 330
MAR	13.0	SEP	740
APR	559	OCT	331
MAY	6 848	NOV	3.02
JUN	2 630	DEC	0

TOTAL DISCHARGE, 13 800 dam³

HASTINGS LAKE NEAR DEVILLE - STATION NO. 05EB011

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	736.176	736.190	736.181	736.184	736.117	736.067	---	---	1
2	---	---	---	---	736.180	736.186	736.113	736.182	736.115	736.065	---	---	2
3	---	---	---	---	736.184	736.184	736.139	736.178	736.111	736.081	---	---	3
4	---	---	---	---	736.186	736.182	736.175	736.166	736.109	736.081	---	---	4
5	---	---	---	---	736.188	736.178	736.187	736.164	736.125	736.081	---	---	5
6	---	---	---	---	736.194	736.182	736.185	736.162	736.125	736.077	---	---	6
7	---	---	---	---	736.196	736.177	736.183	736.156	736.124	736.075	---	---	7
8	---	---	---	---	736.196	736.173	736.182	736.152	736.123	736.073	---	---	8
9	---	---	---	---	736.196	736.169	736.179	736.148	736.121	736.071	---	---	9
10	---	---	---	---	736.196	736.167	736.177	736.144	736.127	736.069	---	---	10
11	---	---	736.050	---	736.192	736.165	736.175	736.140	736.123	736.067	---	---	11
12	---	---	---	---	736.196	736.163	736.173	736.140	736.121	736.067	---	---	12
13	---	---	---	---	736.196	736.159	736.169	736.138	736.115	736.065	---	---	13
14	---	---	---	---	736.196	736.155	736.166	736.134	736.111	736.065	---	---	14
15	---	---	---	---	736.194	736.153	736.174	736.142	736.107	736.061	---	---	15
16	---	---	---	---	736.194	736.151	736.170	736.142	736.105	736.059	---	---	16
17	---	---	---	---	736.192	736.145	736.168	736.140	736.103	736.065	---	---	17
18	---	---	---	---	736.193	736.139	736.166	736.138	736.101	736.067	---	---	18
19	---	---	---	---	736.187	736.137	736.166	736.134	736.099	736.065	---	---	19
20	---	---	---	---	736.208	736.135	736.164	736.133	736.097	736.065	---	---	20
21	---	---	---	---	736.206	736.131	736.160	736.129	736.093	736.065	---	---	21
22	---	---	---	---	736.206	736.129	736.204	736.133	736.093	736.063	---	---	22
23	---	---	---	---	736.214	736.131	736.200	736.129	736.091	736.061	---	---	23
24	---	---	---	---	736.214	736.125	736.190	736.129	736.089	736.061	---	---	24
25	---	---	---	---	736.212	736.123	736.196	736.129	736.087	736.061	---	---	25
26	---	---	---	---	736.208	736.119	736.188	736.125	736.085	736.059	---	---	26
27	---	---	---	---	736.206	736.117	736.194	736.121	736.083	736.059	---	---	27
28	---	---	---	---	736.202	736.113	736.192	736.123	736.079	736.057	---	---	28
29	---		---	---	736.198	736.109	736.188	736.119	736.079	736.055	---	---	29
30	---		---	---	736.194	736.105	736.188	736.121	736.071	736.053	---	---	30
31	---		---		736.192		736.184	736.119		736.051		---	31
MEAN	---	---	---	---	736.196	736.150	736.175	736.142	736.104	736.066	---	---	MEAN
MAX	---	---	---	---	736.214	736.190	736.204	736.184	736.127	736.081	---	---	MAX
MIN	---	---	---	---	736.176	736.105	736.101	736.119	736.071	736.051	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 25 30 N
LONG 112 54 02 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050B	0.130B	14.4B	185	77.5	17.9	24.5E	12.9E	---	---	1
2	---	---	0.060B	0.120B	24.2B	177	75.2	17.7	24.0E	12.7E	---	---	2
3	---	---	0.070B	0.120B	36.2B	171	73.0	18.3	23.0E	12.6E	---	---	3
4	---	---	0.080B	0.130B	159	165	70.5	18.1	20.0E	12.4E	---	---	4
5	---	---	0.100B	0.150B	219	160	67.9	17.9	19.0E	12.4A	---	---	5
6	---	---	0.110B	0.170B	277	155	65.4	17.8	17.0E	12.1	---	---	6
7	---	---	0.120B	0.190B	348	150	62.9	18.1	16.4E	11.9	---	---	7
8	---	---	0.130B	0.210B	370	146	60.1	18.1	16.2E	11.9	---	---	8
9	---	---	0.140B	0.230B	355	142	57.3	17.8	16.1E	12.0	---	---	9
10	---	---	0.150B	0.250B	340	138	54.6	17.3	15.9E	11.9	---	---	10
11	---	---	0.140B	0.250B	330	134	51.9	17.2	17.0E	11.8	---	---	11
12	---	---	0.130B	0.250B	322	131	49.5	17.1	16.7E	11.9	---	---	12
13	---	---	0.120B	0.250B	317	127	46.1	17.5	16.3E	11.7	---	---	13
14	---	---	0.110B	0.250B	318	124	43.1	20.1	16.0E	11.5	---	---	14
15	---	---	0.100B	0.250B	321	120	40.2	24.2	15.6E	11.3	---	---	15
16	---	---	0.100B	0.270B	325	117	37.5	23.5	15.1E	11.7	---	---	16
17	---	---	0.120B	0.300B	345	115	35.2	22.1	14.9E	11.7	---	---	17
18	---	---	0.150B	0.300B	357	112	32.9	21.1	14.8E	11.6	---	---	18
19	---	---	0.180B	0.300B	357	109	31.5	20.8	14.6E	12.2	---	---	19
20	---	---	0.200B	0.320B	355	106	30.1	20.8	14.5E	12.3	---	---	20
21	---	---	0.200B	0.340B	349	103	28.9	20.3	14.3E	11.4	---	---	21
22	---	---	0.200B	0.355B	339	99.0	27.6	19.3	14.2E	10.6	---	---	22
23	---	0.035B	0.200B	0.355B	325	95.5	26.7	18.4	14.0E	10.0	---	---	23
24	---	0.035B	0.200B	0.630B	310	93.4	25.4	18.4A	13.9E	10.2	---	---	24
25	---	0.040B	0.200B	0.965B	288	91.0	24.4	18.3E	13.8E	10.8	---	---	25
26	---	0.040B	0.190B	1.30 B	266	88.9	23.6	18.1E	13.6E	11.1A	---	---	26
27	---	0.045B	0.180B	1.90 B	245	87.0	23.6	19.0E	13.5E	11.0E	---	---	27
28	---	0.045B	0.170B	3.00 B	228	85.0	21.7	21.0E	13.3E	10.9E	---	---	28
29	---	---	0.160B	6.00 B	215	82.4	20.3	21.0E	13.2E	10.8E	---	---	29
30	---	---	0.150B	10.0 B	204	79.8	19.1	22.0E	13.0E	10.7E	---	---	30
31	---	---	0.140B		194		18.2	23.0E		10.6E		---	31
TOTAL	---	---	4.350	29.285	8 453.8	3 689.0	1 321.9	602.2	482.8	358.5	---	---	TOTAL
MEAN	---	---	0.140	0.976	273	123	42.6	19.4	16.1	11.6	---	---	MEAN
MAX	---	---	0.200	10.0	370	185	77.5	24.2	24.5	12.9	---	---	MAX
MIN	---	---	0.050	0.120	14.4	79.8	18.2	17.1	13.0	10.0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.0
MAXIMUM DAILY, 370 ON MAY 8
MINIMUM DAILY, 0.050B ON MAR 1
MAXIMUM INSTANTANEOUS,
371 AT 11:00 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 09 00 N
LONG 117 38 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	114 000
FEB	---	AUG	52 000
MAR	376	SEP	41 700
APR	2 530	OCT	31 000
MAY	730 000	NOV	---
JUN	319 000	DEC	---

TOTAL DISCHARGE, 1 290 000 dam³

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.123	0.025	0.008	0.059	0.008	0 E	---	---	1
2	---	---	0B	0 B	0.108	0.013	0.021	0.054	0.005	0 E	---	---	2
3	---	---	0B	0 B	0.093	0.004	0.037	0.009	0.002	0 E	---	---	3
4	---	---	0B	0 B	0.114	0.005	0.052	0	0.001	0	---	---	4
5	---	---	0B	0 B	0.049	0.009	0.095	0	0.004	0	---	---	5
6	---	---	0B	0 B	0.002	0.008	0.054	0	0.002	0	---	---	6
7	---	---	0B	0 B	0	0.008	0.040	0	0	0	---	---	7
8	---	---	0B	0 B	0	0.010	0.037	0	0	0	---	---	8
9	---	---	0B	0 B	0	0.016	0.068	0	0	0	---	---	9
10	---	---	0B	0 B	0.001	0.033	0.085	0	0	0	---	---	10
11	---	---	0B	0 B	0.001	0.046	0.072	0	0	0	---	---	11
12	---	---	0B	0.001B	0.001	0.036	0.056	0	0.118	0	---	---	12
13	---	---	0B	0.003B	0.001	0.032	0.076	0	0.071	0.001	---	---	13
14	---	---	0B	0.227B	0.001	0.028	0.062	0	0.048	0.001	---	---	14
15	---	---	0B	2.83 B	0.001	0.025	0.035	0	0.011	0.001	---	---	15
16	---	---	0B	5.30 B	0	0.023	0.027	0	0.007	0.001	---	---	16
17	---	---	0B	5.95 B	0	0.022	0.022	0	0.002	0.001	---	---	17
18	---	---	0B	6.37	0.001	0.020	0.045	0.011	0.002	0	---	---	18
19	---	---	0B	4.65	0.001	0.018	0.010	0.022	0.002	0	---	---	19
20	---	---	0B	3.27	0.001	0.016	0.013	0.026	0.002	0	---	---	20
21	---	---	0B	2.83	0.001	0.014	0.059	0.032	0.002	0	---	---	21
22	---	---	0B	2.67	0.002	0.013	0.067	0.029	0.002	0	---	---	22
23	---	---	0B	2.42	0.001	0.009	0.060	0.026	0.002	0	---	---	23
24	---	---	0B	1.66	0.001	0.007	0.050	0.027	0.002	0.001	---	---	24
25	---	---	0B	0.989	0.001	0.008	0.041	0.132	0.002	0.001A	---	---	25
26	---	---	0B	0.605	0.001	0.007	0.037	0.069	0.002	0.001E	---	---	26
27	---	---	0B	0.375	0.002	0.007	0.029	0.036	0.001E	0.001E	---	---	27
28	---	---	0B	0.241	0.001	0.009	0.022	0.026	0.001E	0.001E	---	---	28
29	---		0B	0.119	0	0.009	0.021	0.006	0.001E	0 E	---	---	29
30	---		0B	0.062	0	0.009	0.016	0.006	0 E	0 E	---	---	30
31	---		0B		0.036		0.013	0.005		0 E		---	31
TOTAL	---	---	0	48.472	0.539	0.489	1.334	0.559	0.300	0.010	---	---	TOTAL
MEAN	---	---	0	1.35	0.017	0.016	0.043	0.018	0.010	0	---	---	MEAN
MAX	---	---	0	6.37	0.123	0.046	0.095	0.132	0.118	0.001	---	---	MAX
MIN	---	---	0	0	0	0.004	0.008	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 6.37 ON APR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.56 AT 17:37 MST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 55 N
LONG 113 21 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	114
FEB	---	AUG	48.3
MAR	0	SEP	23.9
APR	3 500	OCT	0.06
MAY	44.6	NOV	---
JUN	43.2	DEC	---

TOTAL DISCHARGE, 3 780 dam³

HEART RIVER NEAR HANPA - STATION NO. 07HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.067B	0.095B	0.145B	0.129B	6.74	0.192	0	0	0	0.005E	0.028D	0.100B	1
2	0.067B	0.098B	0.146B	0.128B	8.15	0.251	0	0	0	0.004E	0.032B	0.096B	2
3	0.068B	0.100B	0.147B	0.127B	7.15	0.209	0	0	0	0.004E	0.041B	0.090B	3
4	0.068B	0.107B	0.147B	0.129B	6.96	0.112	0	0	0	0.005E	0.041B	0.081B	4
5	0.068B	0.112B	0.148B	0.131B	5.94	0.066	0	0.008A	0	0.005E	0.045B	0.071B	5
6	0.069B	0.115B	0.148B	0.133B	5.40	0.089	0	0.278	0	0.006E	0.049B	0.069B	6
7	0.069B	0.115B	0.149B	0.135B	4.83	0.128	0	0.139	0	0.006A	0.052B	0.068B	7
8	0.069B	0.113B	0.149B	0.140B	4.37	0.346	0	0.021	0	0.005E	0.050B	0.056B	8
9	0.070B	0.111B	0.150B	0.145B	4.27	0.167	0	0.011	0	0.006	0.055B	0.052B	9
10	0.070B	0.110B	0.150B	0.150B	4.14	0.024	0	0.007	0	0.010	0.079B	0.052B	10
11	0.070B	0.109B	0.150B	0.150B	3.88	0.013A	0	0.006E	0	0.035	0.080B	0.053B	11
12	0.071B	0.109B	0.150B	0.148B	3.40	0.005E	0	0.005E	0	0.033	0.086B	0.055B	12
13	0.071B	0.108B	0.148B	0.146B	2.95	0.003E	0	0.004E	0	0.014	0.098B	0.061B	13
14	0.072B	0.108B	0.146B	0.144B	2.75	0.002E	0	0.003E	0	0.036	0.126B	0.065B	14
15	0.073B	0.110B	0.143B	0.195B	2.44	0.002E	0	0.002E	0	0.105	0.126B	0.071B	15
16	0.073B	0.115B	0.143B	0.113B	2.20	0.001E	0	0.002E	0	0.125	0.120B	0.073B	16
17	0.074B	0.120B	0.144B	0.108B	1.94	0.001E	0	0.001E	0	0.119	0.104B	0.074B	17
18	0.075B	0.130B	0.146B	0.171B	1.89	0.001E	0	0.001E	0	0.101	0.090B	0.075B	18
19	0.076B	0.140B	0.145B	0.294B	1.72	0	0	0.001E	0	0.067	0.075B	0.073B	19
20	0.077B	0.148B	0.144B	0.321B	2.06	0	0	0.001E	0	0.055	0.064B	0.071B	20
21	0.078B	0.150B	0.141B	0.966B	1.80	0	0	0.001E	0	0.122	0.061B	0.065B	21
22	0.079B	0.150B	0.138B	2.40 B	1.47	0	0	0.001E	0	0.122	0.064B	0.059B	22
23	0.080B	0.148B	0.137B	2.25 B	1.15	0	0	0.001E	0	0.095	0.072B	0.052B	23
24	0.082B	0.145B	0.135B	5.55 B	1.05	0	0	0.001E	0.001E	0.079	0.075B	0.049B	24
25	0.083B	0.145B	0.134B	18.3 B	0.771	0	0	0.001E	0.007E	0.063	0.079B	0.043B	25
26	0.085B	0.144B	0.133B	16.5 B	0.664	0	0	0	0.006E	0.056	0.086B	0.042B	26
27	0.086B	0.144B	0.132B	10.8	0.675	0	0	0	0.005E	0.051	0.084B	0.045B	27
28	0.088B	0.143B	0.131B	6.89	0.489	0	0	0	0.006E	0.044	0.090B	0.053B	28
29	0.090B		0.131B	5.65	0.438	0	0	0	0.006E	0.042B	0.098B	0.059B	29
30	0.091B		0.130B	4.54	0.394	0	0	0	0.005E	0.035B	0.100B	0.064B	30
31	0.093B		0.130B		0.316		0	0		0.030B		0.070B	31
TOTAL	2.352	3.402	4.410	76.983	93.397	1.608	0	0.486	0.036	1.486	2.262	1.992	TOTAL
MEAN	0.076	0.123	0.142	2.57	2.98	0.054	0	0.016	0.001	0.048	0.075	0.064	MEAN
MAX	0.093	0.150	0.150	18.3	8.15	0.346	0	0.278	0.007	0.125	0.126	0.100	MAX
MIN	0.067	0.095	0.130	0.108	0.316	0	0	0	0	0.004	0.028	0.042	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.516
MAXIMUM DAILY, 18.3B ON APR 25
MINIMUM DAILY, 0 ON JUN 15
MAXIMUM INSTANTANEOUS,
24.2B AT 16:30 MST ON APR 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 23 N
LONG 117 07 53 W

DRAINAGE AREA, 1 960 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	203	JUL	0
FEB	297	AUG	42.0
MAR	381	SEP	3.11
APR	6 650	OCT	128
MAY	7 950	NOV	195
JUN	139	DEC	172

TOTAL DISCHARGE, 16 200 dam³

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0 E	0.506	0.393	0.795	0.283	0.655	---	---	1
2	---	---	---	0E	0 E	0.615	0.385	0.786	0.280	0.313	---	---	2
3	---	---	---	0E	0 E	0.643	0.375	0.776	0.330	0.305	---	---	3
4	---	---	---	0E	0 E	0.631	0.367	0.778	0.506	0.697	---	---	4
5	---	---	---	0E	0 E	0.612	0.367	0.762	0.604	0.117	---	---	5
6	---	---	---	0A	0 E	0.563	0.360	0.740	0.643	0.011	---	---	6
7	---	---	---	0E	0 E	0.527	0.357	0.724	0.623	0.008	---	---	7
8	---	---	---	0E	0 E	0.472	0.343	0.709	0.599	0.006	---	---	8
9	---	---	---	0E	0 E	0.405	0.326	0.707	0.679	0.005	---	---	9
10	---	---	---	0E	0 E	0.591	0.320	0.694	0.796	0.004	---	---	10
11	---	---	---	0E	0.852	0.698	0.315	0.675	0.568	0.007	---	---	11
12	---	---	---	0E	0.341	0.681	0.311	0.672	0.427	0.011	---	---	12
13	---	---	---	0E	0.318	0.652	0.306	0.669	0.378	0.386	---	---	13
14	---	---	---	0E	0.363	0.627	0.299	0.669	0.349	0.705	---	---	14
15	---	---	---	0E	0.453	0.545	0.289	0.675	0.482	0.518	---	---	15
16	---	---	---	0E	0.541	0.466	0.287	0.665	0.294	0.515	---	---	16
17	---	---	---	0E	0.594	0.455	0.282	0.656	0.072	0.516	---	---	17
18	---	---	---	0E	0.665	0.450	0.274	0.637	0.259	0.276	---	---	18
19	---	---	---	0E	0.691	0.439	0.281	0.630	0.368	0.007A	---	---	19
20	---	---	---	0E	0.678	0.436	0.330	0.612	0.233	0.005E	---	---	20
21	---	---	---	0E	0.519	0.431	0.385	0.600	0.150	0 E	---	---	21
22	---	---	---	0E	0.354	0.429	0.412	0.597	0.221	0 E	---	---	22
23	---	---	---	0E	0.353	0.424	0.382	0.599	0.107	0 E	---	---	23
24	---	---	---	0E	0.358	0.417	0.374	0.601	0.137	0 E	---	---	24
25	---	---	---	0E	0.493	0.408	0.361	0.591	0.243	0 E	---	---	25
26	---	---	---	0E	0.681	0.406	0.364	0.606	0.098	0 E	---	---	26
27	---	---	---	0E	0.641	0.405	0.385	0.398	0.711	0 E	---	---	27
28	---	---	---	0E	0.608	0.406	0.599	0.177	0.643	0 E	---	---	28
29	---		---	0E	0.585	0.402	0.785	0.191	0.609	0 E	---	---	29
30	---		---	0A	0.578	0.403	0.821	0.208	0.595	0 E	---	---	30
31	---		---		0.577		0.880	0.257		0 E	---	---	31
TOTAL	---	---	---	0	18.327	15.221	12.251	18.934	12.905	5.187	---	---	TOTAL
MEAN	---	---	---	0	0.333	0.507	0.395	0.611	0.430	0.165	---	---	MEAN
MAX	---	---	---	0	0.691	0.698	0.821	0.795	0.848	0.705	---	---	MAX
MIN	---	---	---	0	0	0.402	0.274	0.177	0.072	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.369
MAXIMUM DAILY, 0.84B ON SEP 26
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 56 N
LONG 113 59 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 989
FEB	---	AUG	1 640
MAR	---	SEP	1 110
APR	0	OCT	661
MAY	892	NOV	---
JUN	1 330	DEC	---

TOTAL DISCHARGE, 6 460 dam³

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	1.480	1.460	8.50	18.7	23.4	5.83	3.85	4.33	2.94	----	1
2	----	----	1.480	1.430	9.88	21.8	21.6	5.68	3.63	4.31	2.43B	----	2
3	----	----	1.420	1.980	7.27	24.2	20.0	5.77	3.45	4.36	----	----	3
4	----	----	1.430	1.550	5.93	26.8	18.5	5.43	4.17	4.25	----	----	4
5	----	----	1.430	1.990	5.14	29.9	17.6	5.22	5.19	4.05	----	----	5
6	----	----	1.430	1.630	5.06	28.7	16.2	4.99	4.64	3.84	----	----	6
7	----	----	1.440	1.530	5.28	26.1	15.5	4.74	4.27	3.86	----	----	7
8	----	----	1.440	1.960	5.88	23.3	14.7	4.62	4.06	3.78	----	----	8
9	----	----	1.440	1.980	6.32	24.2	14.0	4.63	3.87	3.52	----	----	9
10	----	----	1.440	1.82	3.98	26.9	13.3	4.63	3.88	3.57	----	----	10
11	----	----	1.450	1.43	4.28	31.0	12.7	4.49	3.88	3.49	----	----	11
12	----	----	1.450	1.49	5.45	35.5	12.2	4.53	3.81	3.42	----	----	12
13	----	----	1.450	1.55	5.98	39.1	11.6	4.49	3.98	3.35	----	----	13
14	----	----	1.450	1.58	7.55	43.0	11.2	4.67	3.78	3.29	----	----	14
15	----	----	1.450	1.58	9.86	43.0	10.8	4.68	3.68	3.33	----	----	15
16	----	----	1.460	1.59	11.9	43.5	10.0	4.39	3.82	3.31	----	----	16
17	----	----	1.470	1.62	14.0	39.8	9.31	4.18	3.62	3.51	----	----	17
18	----	----	1.470	1.60	16.2	35.4	8.79	4.03	3.53	3.40E	----	----	18
19	----	----	1.480	1.61	16.1	34.6	8.48	3.98	3.57	3.30E	----	----	19
20	----	----	1.490	1.62	16.8	34.7	8.85	3.93	3.52	3.20E	----	----	20
21	----	----	1.500	1.72	16.8	34.2	8.52	3.89	3.45	3.25E	----	----	21
22	----	----	1.510	2.08	18.6	33.1	7.67	3.88	3.59	3.30E	----	----	22
23	----	----	1.530	2.67	21.2	31.1	7.43	3.89	3.67	3.40E	----	----	23
24	----	----	1.510	3.05	21.1	28.7	7.10	3.93	3.36	3.36E	----	----	24
25	----	----	1.490	2.71	27.2	28.2	6.85	3.73	3.29	3.32E	----	----	25
26	----	----	1.490	2.72	28.1	26.4	6.75	4.59	4.54	3.28	----	----	26
27	----	----	1.480	3.04	22.4	26.8	6.42	4.78	5.10	3.23	----	----	27
28	----	----	1.470	3.08	17.9	25.0	6.16	4.38	4.78	3.13	----	----	28
29	----		1.460	4.24	15.4	23.6	5.99	4.21	4.71	3.10	----	----	29
30	----		1.420	3.90	14.6	24.2	5.81	4.13	4.42	2.93	----	----	30
31	----		1.440		15.6		5.63	4.07		2.77		----	31
TOTAL	----	----	45.17	68.75	377.18	912.5	353.22	140.17	118.91	108.56	----	----	TOTAL
MEAN	----	----	1.46	2.03	12.2	30.4	11.4	4.52	3.96	3.50	----	----	MEAN
MAX	----	----	1.53	4.24	28.1	43.5	23.4	5.83	5.19	4.36	----	----	MAX
MIN	----	----	1.40	1.42	3.98	18.7	5.63	3.73	3.29	2.77	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.64
MAXIMUM DAILY, 43.5 ON JUN 16
MINIMUM DAILY, 1.400 ON MAR 1
MAXIMUM INSTANTANEOUS,
46.3 AT 01:00 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 30 N
LONG 114 29 50 W
DRAINAGE AREA, 777 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	39 500
FEB	----	AUG	12 100
MAR	3 900	SEP	10 300
APR	5 250	OCT	9 380
MAY	33 600	NOV	----
JUN	78 800	DEC	----

TOTAL DISCHARGE, 183 000 dam³

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	1.700	2.060	8.47	25.4	38.2	6.86	4.13	5.74	4.11B	2.55B	1
2	----	----	1.710	2.070	9.66	29.6	33.6	6.87	4.01	5.91	3.80B	2.40B	2
3	----	----	1.700	1.890	10.6	33.8	30.1	6.98	3.90E	5.98	3.24B	2.24B	3
4	----	----	1.690	1.890	10.1	36.9	26.5	5.95	3.75E	5.14	3.70B	2.20B	4
5	----	----	1.690	1.820	8.45	42.1	25.2	5.57	3.98E	5.95	3.48B	2.15B	5
6	----	----	1.680	1.870	7.89	47.0	23.7	5.31	4.27E	5.85	3.35B	2.05B	6
7	----	----	1.680	1.920	7.72	45.8	22.0	5.00	4.26E	5.88	3.32B	1.95B	7
8	----	----	1.670	1.840	7.95	41.4	21.5	4.84	4.06E	5.45	3.41B	1.88B	8
9	----	----	1.660	1.690	7.24	40.4	20.1	4.96	4.01E	4.99	2.68B	1.90B	9
10	----	----	1.660	1.780	6.51	41.7	18.7	4.89	4.73	4.85	2.77B	1.95B	10
11	----	----	1.710	2.230	6.83	43.6	17.5	4.74	5.18	4.83	2.43B	2.00B	11
12	----	----	1.730	4.680	6.39	47.8	16.7	4.65	5.15	4.86	2.62B	2.04B	12
13	----	----	1.700	4.820	6.32	50.7	15.9	4.64	5.19	4.69	2.43B	2.00B	13
14	----	----	1.700	5.660	7.03	54.3	14.8	4.72	5.13	4.85	2.51B	2.31B	14
15	----	----	1.860	7.02B	9.83	56.6	14.2	4.59	4.75	4.18	2.56B	2.46B	15
16	----	----	1.830	6.63B	13.2	56.2	13.5	4.61	5.13	4.24	2.65B	2.85B	16
17	----	----	1.850	6.45B	15.3	53.6	12.5	4.19	5.29	4.34	2.78B	2.55B	17
18	----	----	1.875	5.54B	17.6	46.6	11.7	4.04	4.65	4.75	2.77B	2.56B	18
19	----	----	1.900	4.78B	19.8	44.8	11.0	3.85	4.14	4.95	2.70B	2.44B	19
20	----	----	1.930	4.43B	17.7	44.8	10.5	3.79	4.18	4.76	2.65B	2.33B	20
21	----	----	1.950	5.10B	18.5	43.1	10.7	3.81	4.27	4.43	2.60B	2.06B	21
22	----	----	1.980	7.37B	20.7	42.0	9.74	3.72	4.38	4.46	2.55B	2.16B	22
23	----	----	2.000	11.3 B	24.2	41.7	9.83	3.72	4.31	4.42	2.53B	1.92B	23
24	----	----	1.990	12.0 B	25.6	39.2	8.56	3.74	4.33	4.45	2.50B	1.65B	24
25	----	----	2.070	9.85B	29.2	37.9	8.53	3.77	4.32	4.64	2.50B	1.55B	25
26	----	----	1.830	7.52B	36.7	35.6	8.64	4.51	4.88	4.57	2.68B	1.64B	26
27	----	----	2.000	7.83	39.7	35.5	8.89	5.03	6.20	4.50	2.70B	1.77B	27
28	----	----	2.170	8.68	37.1	36.7	7.50	4.77	6.45	4.47	2.70B	1.85B	28
29	----		2.260	9.28	33.3	35.1	6.78	4.43	6.43	4.62	2.70B	1.83B	29
30	----		2.320	8.79	31.4	40.5	6.36	4.27	6.17	4.24B	2.60B	1.99B	30
31	----		2.090		31.8		6.10	4.30		4.10B		2.12B	31
TOTAL	----	----	57.74	158.70	486.73	1 267.1	487.93	140.42	141.33	150.29	85.94	64.96	TOTAL
MEAN	----	----	1.86	5.29	15.7	42.2	15.7	4.66	4.71	4.85	2.86	2.10	MEAN
MAX	----	----	2.36	12.0	36.7	56.2	38.2	6.98	6.45	5.98	4.11	2.56	MAX
MIN	----	----	1.66	1.69	6.83	35.4	6.10	3.72	3.75	4.85	2.43	1.55	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 56.2 ON JUN 16
MAXIMUM INSTANTANEOUS,
60.7 AT 00:00 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 00 N
LONG 113 52 30 W
DRAINAGE AREA, 1 940 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	42 200
FEB	----	AUG	12 900
MAR	4 900	SEP	12 200
APR	13 700	OCT	13 000
MAY	62 100	NOV	7 430
JUN	109 000	DEC	5 610

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.832B	6.88	7.88	2.20	1.88	1.41	0.864B	---	1
2	---	---	---	---	1.30 B	7.93	6.82	2.11	1.84	1.47	0.818B	---	2
3	---	---	---	---	1.68 B	9.18	6.41	2.00	0.982	1.46	---	---	3
4	---	---	---	---	1.39	10.2	5.95	1.88	1.45	1.38	---	---	4
5	---	---	---	---	1.26	11.9	5.38	1.66	1.71	1.34	---	---	5
6	---	---	---	---	1.30	11.1	4.92	1.57	1.48	1.32	---	---	6
7	---	---	---	---	1.31	8.92	4.73	1.49	1.32	1.33	---	---	7
8	---	---	---	---	1.16	7.74	4.60	1.47	1.25	1.28	---	---	8
9	---	---	---	---	1.01	7.85	4.53	1.46	1.21	1.17	---	---	9
10	---	---	---	---	1.01	9.94	4.63	1.43	1.25	1.18	---	---	10
11	---	---	---	---	1.33	12.5	4.30	1.51	1.19	1.19	---	---	11
12	---	---	---	---	1.70	15.3	4.11	1.45	1.17	1.13	---	---	12
13	---	---	---	---	1.82	17.4	3.96	1.42	1.18	1.12	---	---	13
14	---	---	---	---	2.38	18.4	3.95	1.48	1.13	1.15	---	---	14
15	---	---	---	---	3.07	18.2	3.59	1.43	1.14	1.15	---	---	15
16	---	---	---	---	3.90	18.5	3.18	1.30	1.15	1.17	---	---	16
17	---	---	---	---	5.11	16.6	2.91	1.22	1.11	1.22	---	---	17
18	---	---	---	---	5.66	15.0	2.85	1.20	1.15	1.15	---	---	18
19	---	---	---	---	5.25	15.0	2.79	1.17	1.22	0.912B	---	---	19
20	---	---	---	---	5.15	15.3	3.07	1.17	1.19	1.01 B	---	---	20
21	---	---	---	---	6.22	15.4	2.92	1.16	1.18	1.18	---	---	21
22	---	---	---	---	7.01	14.2	2.76	1.11	1.16	1.18	---	---	22
23	---	---	---	---	7.51	12.9	2.55	1.11	1.12	1.34	---	---	23
24	---	---	---	---	8.45	11.7	2.40	1.06	1.09	1.28	---	---	24
25	---	---	---	---	11.6	12.0	2.31	1.05	1.08	1.16	---	---	25
26	---	---	---	---	10.8	10.7	2.37	1.51	1.60	1.12	---	---	26
27	---	---	---	0.578B	7.16	10.8	2.23	1.61	1.57	1.09	---	---	27
28	---	---	---	0.637B	5.85	9.37	2.22	1.30	1.55	1.04	---	---	28
29	---	---	---	0.599B	4.88	8.30	2.20	1.23	1.51	0.968B	---	---	29
30	---	---	---	0.633B	4.71	8.28	2.13	1.20	1.61	0.848B	---	---	30
31	---	---	---		5.17		2.15	1.14		0.819B		---	31
TOTAL	---	---	---	---	126.982	367.41	116.50	43.80	37.672	36.337	---	---	TOTAL
MEAN	---	---	---	---	4.10	12.2	3.76	1.41	1.26	1.17	---	---	MEAN
MAX	---	---	---	---	11.6	18.5	7.88	2.20	1.71	1.47	---	---	MAX
MIN	---	---	---	---	0.832	6.48	2.13	1.05	0.982	0.819	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.96
MAXIMUM DAILY, 18.5 ON JUN 16
MINIMUM DAILY, 0.6198 ON OCT 31
MAXIMUM INSTANTANEOUS,
20.9 AT 22:10 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 29 55 N
LONG 114 49 02 W
DRAINAGE AREA, 132 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 100
FEB	---	AUG	3 790
MAR	---	SEP	3 250
APR	---	OCT	3 140
MAY	11 000	NOV	---
JUN	31 700	DEC	---

TOTAL DISCHARGE, 63 000 dam³

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20 B	1.68B	1.48B	1.69B	8.45	21.0	37.0	4.62	2.85	5.98	---	---	1
2	1.18 B	1.58B	1.48B	1.96B	8.71	25.0	32.0	4.68	2.65	6.72	---	---	2
3	1.00 B	1.56B	1.42B	1.69B	9.79	28.7	27.5	4.52	2.31	5.28	---	---	3
4	0.900B	1.54B	1.46B	1.68B	10.6	31.8	24.9	4.61	2.38	5.44	---	---	4
5	0.806B	1.45B	1.50B	1.75B	8.36	36.4	23.0	4.24	2.75	4.87	---	---	5
6	0.700B	1.38B	1.55B	1.79B	7.01	43.0	21.7	4.11	3.30	5.24	---	---	6
7	0.600B	1.50B	1.60B	1.94B	6.79	43.3	19.8	3.81	3.32	5.61	---	---	7
8	0.650B	1.32B	1.65B	2.00B	7.14	39.2	18.9	3.53	3.05	4.95	---	---	8
9	0.700B	1.28B	1.60B	2.20B	6.51	36.9	17.7	3.63	2.75	4.08	---	---	9
10	0.800B	1.20B	1.55B	2.50B	5.77	38.3	16.5	3.36	2.94	3.89	---	---	10
11	1.00 B	1.22B	1.58B	3.40B	5.13	48.1	15.6	3.19	3.16	3.82	---	---	11
12	1.10 B	1.28B	1.53B	4.60B	5.00	55.4	14.7	2.96	3.28	3.86	---	---	12
13	1.21 B	1.35B	1.53B	6.37B	6.01	47.3	14.1	2.85	3.35	3.85	---	---	13
14	1.25 B	1.40B	1.58B	7.38B	6.74	58.6	13.2	2.88	3.36	3.37	---	---	14
15	1.30 B	1.43B	1.58B	9.68B	8.58	53.7	12.6	3.01	3.33	3.11	---	---	15
16	1.38 B	1.42B	1.65B	7.46B	11.4	52.9	12.3	3.08	3.34	3.36	---	---	16
17	1.25 B	1.61B	1.74B	6.43B	13.1	51.3	11.6	2.96	3.32	3.38	---	---	17
18	1.15 B	1.60B	1.80B	5.96B	15.1	44.8	10.8	2.77	3.33	3.46	---	---	18
19	1.05 B	1.39B	1.90B	5.64B	16.8	41.3	9.96	2.51	2.95	3.62	---	---	19
20	1.00 B	1.37B	2.00B	6.48B	16.2	41.2	9.65	2.38	2.86	3.67	---	---	20
21	1.10 B	1.35B	2.05B	6.41B	15.8	40.1	9.52	2.41	2.88	3.59	---	---	21
22	1.20 B	1.38B	2.00B	7.01B	17.7	38.8	8.88	2.35	3.07	3.68	---	---	22
23	1.35 B	1.52B	1.92B	8.77B	20.1	38.6	8.17	2.37	3.00	3.89	---	---	23
24	1.58 B	1.58B	2.00B	9.14B	21.7	36.9	7.64	2.37	3.16	3.67	---	---	24
25	1.65 B	1.58B	2.03B	8.55B	23.9	34.1	7.21	2.33	3.17	3.75	---	---	25
26	1.78 B	1.35B	2.07B	6.45B	30.9	32.7	7.83	2.72	3.22	3.78	---	---	26
27	1.78 B	1.38B	2.18B	8.84B	30.6	32.8	7.08	3.31	3.99	3.76	---	---	27
28	1.65 B	1.35B	2.15B	8.93B	34.1	34.2	6.47	3.36	5.72	3.78A	---	---	28
29	1.63 B		2.20B	9.55	28.4	33.6	5.75	3.32	5.58	3.78B	---	---	29
30	1.62 B		2.50B	9.36	18.6	37.6	5.31	3.38	5.66	3.78B		---	30
31	1.66 B		2.00B		18.7		4.97	3.11		3.78B		---	31
TOTAL	36.76B	37.96	54.93	165.45	435.49	1 168.5	401.44	100.25	99.83	123.74	---	---	TOTAL
MEAN	1.19	1.35	1.77	5.53	13.7	39.0	10.2	3.33	3.33	3.99	---	---	MEAN
MAX	1.78	1.68	2.50	9.68	30.9	58.9	37.0	4.62	5.72	5.98	---	---	MAX
MIN	0.600	1.20	1.48	1.68	5.00	21.0	4.97	2.33	2.31	3.11	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 58.9 ON JUN 16

MAXIMUM INSTANTANEOUS,
58.2 AT 13:24 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 50 N
LONG 113 51 23 W
DRAINAGE AREA, 2 340 km²
A - NATURAL CAUSE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 198	JUL	35 100
FEB	3 270	AUG	8 640
MAR	4 756	SEP	8 630
APR	14 300	OCT	10 700
MAY	36 800	NOV	---
JUN	101 000	DEC	---

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.70 B	1.84B	1.88B	3.14B	13.2	33.0	72.6	8.46	4.95	9.76	5.88B	2.80B	1
2	1.50 B	1.82B	1.90B	3.22B	13.8	40.8	69.0	8.19	4.67	9.55	5.84B	2.70B	2
3	1.40 B	1.80B	2.00B	3.15B	15.8	47.4	51.2	8.09	4.34	9.84	5.24B	2.65B	3
4	1.20 B	1.75B	2.01B	2.90B	16.2	51.8	48.6	8.18	4.37	9.27	5.31B	2.55B	4
5	1.05 B	1.70B	2.04B	2.70B	13.3	57.8	41.9	7.79	5.07	8.86	5.10B	2.50B	5
6	0.900B	1.65B	2.07B	2.56B	11.6	69.1	39.5	7.62	5.99	9.20	4.90B	2.48B	6
7	0.850B	1.60B	2.08B	3.05B	11.3	71.7	36.7	7.47	5.98	8.90	4.74B	2.45B	7
8	0.850B	1.58B	2.10B	3.60B	11.1	66.2	35.2	7.16	5.82	8.76	4.30B	2.42B	8
9	0.950B	1.55B	2.11B	4.08B	10.3	62.6	33.4	7.13	4.96	7.78	3.70B	2.40B	9
10	1.10 B	1.57B	2.13B	6.40B	9.37	66.2	31.6	7.40	4.80	7.18	3.50B	2.42B	10
11	1.25 B	1.60B	2.14B	9.08B	8.74	68.8	28.2	6.85	5.09	7.00	3.38B	2.50B	11
12	1.35 B	1.62B	2.15B	13.5 B	9.72	72.9	26.9	5.94	5.32	6.92	3.10B	2.58B	12
13	1.40 B	1.70B	2.17B	17.9 B	11.3	76.7	25.9	6.63	5.56	6.87	3.00B	2.70B	13
14	1.50 B	1.75B	2.20B	21.5 B	11.9	80.6	24.1	6.30	5.79	6.58	2.95B	2.90B	14
15	1.65 B	1.76B	2.25B	26.8 B	14.4	84.0	22.9	5.66	5.84	6.00	3.00B	3.10B	15
16	1.62 B	1.78B	2.35B	17.1 B	18.6	83.1	23.1	6.24	5.84	6.12	3.05B	3.20B	16
17	1.60 B	1.75B	2.51B	13.1 B	20.5	81.5	20.5	6.13	6.04	6.31	3.10B	3.18B	17
18	1.38 B	1.69B	2.55B	10.8 B	22.5	78.5	19.2	5.84	6.60	6.57	3.15B	3.16B	18
19	1.30 B	1.62B	2.60B	9.28B	25.0	64.1	18.0	5.49	5.72	7.11	3.15B	3.15B	19
20	1.25 B	1.60B	2.63B	9.74B	23.8	63.2	17.1	5.27	5.52	7.02	3.10B	3.39B	20
21	1.25 B	1.58B	2.66B	9.67B	22.3	63.5	17.1	5.02	5.41	6.76	3.05B	3.20B	21
22	1.40 B	1.56B	2.70B	11.5 B	24.7	65.1	15.7	4.78E	5.52	6.88	3.00B	3.01B	22
23	1.60 B	1.55B	2.74B	15.6 B	28.5	65.2	13.3	4.59E	5.85	6.75	2.90B	3.33B	23
24	1.75 B	1.55B	2.76B	17.2 B	31.1	62.4	12.1	4.49E	5.57	6.70	2.80B	3.17B	24
25	1.85 B	1.56B	2.78B	17.8 B	33.7	59.9	11.4	4.36	5.66	6.91	2.70B	2.80B	25
26	1.86 B	1.58B	2.80B	18.2 B	43.6	58.1	12.0	4.81	7.14	6.77	2.75B	2.70B	26
27	1.90 B	1.60B	2.83B	18.6 B	43.8	58.9	12.3	6.13	9.62	6.65	2.80B	2.53B	27
28	1.89 B	1.70B	2.87B	15.9 B	34.8	62.9	11.2	6.48	9.75E	6.52	2.90B	2.92B	28
29	1.88 B		2.92B	14.5 B	30.0	63.5	10.1	5.90	9.73E	6.25	2.95B	3.14B	29
30	1.87 B		3.00B	13.9	27.9	75.2	9.44	5.56	9.68E	5.99B	2.85B	3.07B	30
31	1.86 B		3.07B		28.5		8.68	5.02		5.85B		3.18B	31
TOTAL	44.660	46.39	74.92	327.91	641.23	1 982.7	805.62	194.98	181.96	227.55	108.12	88.28	TOTAL
MEAN	1.43	1.66	2.42	10.9	20.7	66.8	26.0	6.29	6.07	7.34	3.68	2.85	MEAN
MAX	1.90	1.84	3.07	26.8	43.8	84.0	72.6	8.46	9.75	9.84	5.89	3.39	MAX
MIN	0.850	1.55	1.80	2.56	8.74	33.0	8.68	4.36	4.34	5.85	2.70	2.40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 84.0 ON JUN 15
MINIMUM DAILY, 0.850B ON JAN 7
MAXIMUM INSTANTANEOUS,
88.6 AT 15:14 MST ON JUN 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 113 49 13 W
DRAINAGE AREA, 3 990 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 840	JUL	69 600
FEB	4 010	AUG	16 800
MAR	6 470	SEP	15 700
APR	28 300	OCT	19 700
MAY	55 400	NOV	9 340
JUN	168 000	DEC	7 630

TOTAL DISCHARGE, 405 000 dam³

HILDA LAKE NEAR COLD LAKE - STATION NO. 06AC003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	547.031	---	---	---	---	---	2
3	---	---	547.026	---	---	---	---	---	547.041	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	547.076	---	---	---	---	5
6	---	---	---	---	---	547.076	547.036	---	---	---	---	---	6
7	---	---	---	---	---	---	---	547.071	---	---	---	---	7
8	---	---	---	---	---	547.066	547.041	547.066	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	547.066	547.046	---	---	---	---	---	10
11	---	---	---	---	547.056	---	---	547.066	---	---	---	---	11
12	---	---	---	---	---	547.056	547.056	---	---	---	---	---	12
13	---	---	---	---	---	---	---	547.061	---	---	---	---	13
14	---	---	---	---	---	---	547.076	---	---	---	---	---	14
15	---	---	---	---	---	547.051	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	547.056	---	---	---	---	16
17	---	---	---	---	---	---	547.086	547.036	---	---	---	---	17
18	---	---	---	---	---	547.046	---	---	---	---	---	---	18
19	---	---	---	---	---	---	547.086	547.051	---	---	---	---	19
20	---	---	---	---	---	---	547.066	---	---	---	---	---	20
21	---	---	---	---	---	547.041	---	547.041	547.016	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	547.041	547.086	---	---	---	---	---	24
25	---	---	---	---	---	---	---	547.026	---	---	---	---	25
26	---	---	---	---	---	547.036	547.076	---	---	---	---	---	26
27	---	---	---	---	---	---	547.071	547.011	---	546.956	---	---	27
28	---	---	---	---	---	---	547.071	---	---	---	---	---	28
29	---	---	---	---	---	547.031	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	---	---	---	---	547.041	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 31 20 N
LONG 110 24 55 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	6.33	0.282	0	0	0	0.007	---	---	1
2	---	---	0B	0 B	7.25	0.226	0	0.035	0	0.007	---	---	2
3	---	---	0B	0 B	9.26	0.169	0	0.005	0	0.006	---	---	3
4	---	---	0B	0 B	9.48	0.099	0.015	0.199	0	0.007	---	---	4
5	---	---	0B	0 B	8.96	0.117	0.005	0.335	0.005	0.006	---	---	5
6	---	---	0B	0 B	9.28	0.114	0.002	0.378	0.003	0.007	---	---	6
7	---	---	0B	0 B	9.48	0.077	0.001	0.456	0.003	0.016	---	---	7
8	---	---	0B	0 B	7.28	0.060	0	0.606	0.003	0.008	---	---	8
9	---	---	0B	0 B	6.38	0.061	0	0.566	0.035	0.006	---	---	9
10	---	---	0B	0 B	5.39	0.047	0	0.484	0.015	0.005	---	---	10
11	---	---	0B	0 B	4.46	0.051	0	0.368	0.015	0.006	---	---	11
12	---	---	0B	0 B	3.67	0.032	0	0.292	0.012	0.005	---	---	12
13	---	---	0B	0 B	3.08	0.018	0	0.236	0.012	0.005	---	---	13
14	---	---	0B	0.001B	3.10	0.014	0	0.186	0.012	0.006	---	---	14
15	---	---	0B	0.005B	2.75	0.008	0	0.116	0.013	0.027	---	---	15
16	---	---	0B	0.005B	2.90	0.006	0	0.113	0.013	0.028	---	---	16
17	---	---	0B	0.006B	2.84	0.006	0	0.082	0.012	0.046	---	---	17
18	---	---	0B	0.006B	3.54	0.006	0	0.078	0.008	0.035	---	---	18
19	---	---	0B	0.007B	2.54	0	0	0.062	0.008	0.030	---	---	19
20	---	---	0B	0.026B	2.01	0.008	0	0.036	0.001	0.029	---	---	20
21	---	---	0B	0.035B	1.70	0.001	0	0.035	0.001	0.015	---	---	21
22	---	---	0B	0.050B	1.56	0	0.001	0.028	0.001	0.018	---	---	22
23	---	0B	0B	0.940B	1.27	0	0.001	0.026	0.006	0.016	---	---	23
24	---	0B	0B	1.52 B	1.10	0	0.006	0.018	0.003	0.014	---	---	24
25	---	0B	0B	1.14 B	0.887	0	0	0.011	0.003	0.014	---	---	25
26	---	0B	0B	1.52 B	0.746	0	0	0.010	0.003	0.015	---	---	26
27	---	0B	0B	2.48 B	0.692	0	0	0.010	0.003	0.015	---	---	27
28	---	0B	0B	2.52	0.568	0	0	0.006	0.006	0.016	---	---	28
29	---		0B	3.00	0.461	0	0	0.004	0.005	0.015	---	---	29
30	---		0B	5.00	0.389	0	0	0.004	0.006	0.014	---	---	30
31	---		0B		0.322		0	0.003		0.014	---	---	31
TOTAL	---	---	0	18.661	117.945	1.402	0.031	4.828	0.205	0.452	---	---	TOTAL
MEAN	---	---	0	0.622	3.80	0.047	0.001	0.156	0.007	0.015	---	---	MEAN
MAX	---	---	0	5.00	9.26	0.282	0.015	0.606	0.035	0.046	---	---	MAX
MIN	---	---	0	0	0.322	0	0	0	0	0.006	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.586
MAXIMUM DAILY, 9.26 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.0B AT 19:00 MST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 30 03 N
LONG 118 15 46 W
DRAINAGE AREA, 373 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.68
FEB	---	AUG	417
MAR	0	SEP	17.7
APR	1 610	OCT	39.1
MAY	10 200	NOV	---
JUN	121	DEC	---

TOTAL DISCHARGE, 12 400 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS OBTAINED FROM GRAPH OF OBSERVED READINGS

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	10.7	1.63	0	0.002E	0	0.005	---	---	1
2	---	---	0B	0 B	9.76	1.35	0	0.100E	0	0.006	---	---	2
3	---	---	0B	0 B	9.68	1.16	0	1.01	0	0.005E	---	---	3
4	---	---	0B	0 B	9.11	0.814	0.001	1.04	0	0.005	---	---	4
5	---	---	0B	0 B	9.58	0.622	0.006	0.966	0	0.003	---	---	5
6	---	---	0B	0 B	9.95	0.488	0.014	0.934	0	0.002	---	---	6
7	---	---	0B	0 B	10.0	0.410	0.019	0.798	0	0.003	---	---	7
8	---	---	0B	0 B	10.1	0.366E	0.016	0.616	0	0.014	---	---	8
9	---	---	0B	0 B	10.3	0.314	0.014	0.508	0	0.020	---	---	9
10	---	---	0B	0 B	10.4	0.363	0.011	0.094	0	0.023	---	---	10
11	---	---	0B	0 B	10.8	0.154	0.009	0.086	0.002	0.028	---	---	11
12	---	---	0B	0 B	10.3 E	0.134	0	0.063	0	0.016E	---	---	12
13	---	---	0B	0.003B	9.83	0.128	0	0.031	0	0.008	---	---	13
14	---	---	0B	0.005B	9.67	0.120	0	0.017	0	0.006	---	---	14
15	---	---	0B	0.010B	9.82	0.114	0	0.005	0	0.010	---	---	15
16	---	---	0B	0.021B	7.96B	0.088	0	0.003	0	0.007	---	---	16
17	---	---	0B	0.054B	6.90	0.068	0	0.003	0	0.006	---	---	17
18	---	---	0B	0.106B	6.53	0.063	0	0.002E	0	0.003	---	---	18
19	---	---	0B	0.544B	5.75	0.060	0	0.002	0	0.002	---	---	19
20	---	---	0B	0.338B	4.87	0.035	0	0.001	0	0.004	---	---	20
21	---	---	0B	0.712B	4.62	0.025	0	0	0	0.008	---	---	21
22	---	---	0B	3.47 B	4.48	0.018	0.006	0	0	0.013	---	---	22
23	---	0B	0B	13.6 B	4.08	0.015	0.001	0	0	0.017	---	---	23
24	---	0B	0B	13.0 B	3.90	0.010	0	0	0	0.019	---	---	24
25	---	0B	0B	13.3 B	3.84	0.012	0	0.003	0	0.003	---	---	25
26	---	0B	0B	10.7	2.93	0.008	0	0.047	0	0.002	---	---	26
27	---	0B	0B	13.0	2.07B	0.005	0	0.038	0	0.001	---	---	27
28	---	---	0B	15.5	2.02	0.003E	0	0.030	0	0.020	---	---	28
29	---		0B	15.0	2.67	0.001	0	0.017	0	0.019	---	---	29
30	---		0B	13.0	2.44	0	0	0.010	0	0.019	---	---	30
31	---		0B		1.94B		0	0.005		0.019E	---	---	31
TOTAL	---	---	0	110.251	217.07	7.905	0.097	6.411	0.002	0.432	---	---	TOTAL
MEAN	---	---	0	3.84	7.00	0.264	0.003	0.207	0	0.014	---	---	MEAN
MAX	---	---	0	15.5	10.8	1.63	0.019	1.04	0.002	0.043	---	---	MAX
MIN	---	---	0	0	1.94	0	0	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.43
MAXIMUM DAILY, 15.5 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
30.0 AT 21:00 MST ON APR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 04 03 N
LONG 118 30 35 W
DRAINAGE AREA, 1 340 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.38
FEB	---	AUG	594
MAR	0	SEP	0.17
APR	10 200	OCT	37.3
MAY	18 800	NOV	---
JUN	683	DEC	---

TOTAL DISCHARGE, 30 300 dam³

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	0.038	0.003	0	0.004	0.003	0.001	0.001B	----	1
2	----	----	----	----	0.039	0.003	0	0.057	0.002	0.001	----	----	2
3	----	----	----	----	0.034	0.003	0.001	0.172	0.002	0.001	----	----	3
4	----	----	----	----	0.032	0.002	0.002	0.104	0.002	0.001	----	----	4
5	----	----	----	----	0.043	0.003	0.002	0.103	0.002	0.002	----	----	5
6	----	----	----	----	0.036	0.002	0.002	0.047	0.002	0.001	----	----	6
7	----	----	----	----	0.033	0.002	0.001	0.053	0.002	0.001	----	----	7
8	----	----	----	----	0.035	0.003	0.001	0.038	0.002	0.001	0.001B	----	8
9	----	----	----	----	0.036	0.003	0	0.018	0.002	0.001	----	----	9
10	----	----	----	----	0.031	0.002	0	0.014	0.002	0	----	----	10
11	----	----	----	----	0.036	0.002	0	0.009	0.002	0.001	----	----	11
12	----	----	----	----	0.038	0.001	0	0.006	0.002	0.001E	----	----	12
13	----	----	----	----	0.016	0.001	0.001	0.004	0.002	0.001E	----	----	13
14	----	----	----	----	0.012	0.001	0.005	0.003	0.002	0.001E	----	----	14
15	----	----	----	----	0.019	0.001	0.076	0.005	0.002	0.001E	----	----	15
16	----	----	----	0.001B	0.021	0.001	0.078	0.008	0.001	0.001E	----	----	16
17	----	----	----	0.001B	0.017	0	0.067	0.007	0.001	0.001E	----	----	17
18	----	----	----	0.001B	0.014	0	0.053	0.005	0.001	0.001E	----	----	18
19	----	----	----	0.002B	0.011	0	0.048	0.003	0.001	0.002B	----	----	19
20	----	----	----	0.003B	0.010	0	0.031	0.002	0.001	0.003B	----	----	20
21	----	----	----	0.005B	0.009	0	0.036	0.003	0.001	0.001B	----	----	21
22	----	----	----	0.010B	0.007	0	0.038	0.003	0.001	0.001B	----	----	22
23	----	----	----	0.009B	0.007	0	0.027	0.002	0.001	0.001B	----	----	23
24	----	----	----	0.009B	0.006	0	0.021	0.002	0.001	0.002B	----	----	24
25	----	----	----	0.011B	0.006	0	0.014	0.005	0.001	0.002B	----	----	25
26	----	----	----	0.023B	0.005	0	0.010	0.005	0.001	0.002B	----	----	26
27	----	----	----	0.038B	0.005	0	0.007	0.003	0.001	0.002B	----	----	27
28	----	----	----	0.029	0.005	0	0.006	0.003	0.001	0.001B	----	----	28
29	----	----	----	0.023	0.004	0	0.005	0.003	0.002	0.001B	----	----	29
30	----	----	----	0.037	0.004	0	0.004	0.004	0.001	0.001B	----	----	30
31	----	----	----		0.003		0.003	0.003		0.001B		----	31
TOTAL	----	----	----	----	0.573	0.031	0.534	0.739	0.047	0.037	----	----	TOTAL
MEAN	----	----	----	----	0.018	0.001	0.017	0.024	0.002	0.001	----	----	MEAN
MAX	----	----	----	----	0.043	0.003	0.076	0.172	0.003	0.002	----	----	MAX
MIN	----	----	----	----	0.003	0	0	0.003	0.001	0	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.172 ON AUG 3
MINIMUM DAILY, 0 ON JUN 17
MAXIMUM INSTANTANEOUS,
0.400 AT 04:12 MST ON AUG 3

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 19 N
LONG 117 48 07 W
DRAINAGE AREA, 5.04 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	98.1
FEB	----	AUG	63.8
MAR	----	SEP	9.06
APR	----	OCT	3.20
MAY	99.5	NOV	----
JUN	2.68	DEC	----

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	----	7.03	1.61	2.88	3.07E	1.61	----	----	1
2	----	----	----	----	----	6.37	1.57	2.97	2.90E	1.59	----	----	2
3	----	----	----	----	----	5.77	2.13	2.96	2.80E	1.59	----	----	3
4	----	----	----	----	----	5.20	2.53	3.76	2.88E	1.59	----	----	4
5	----	----	----	----	----	4.89	2.86	4.36A	2.70E	1.68	----	----	5
6	----	----	----	----	----	4.70	2.98	4.58E	2.62E	1.58	----	----	6
7	----	----	----	----	----	4.42	2.91	4.68E	2.55E	1.56	----	----	7
8	----	----	----	----	----	4.08	2.72	4.46E	2.48E	1.55	----	----	8
9	----	----	----	----	----	3.79	2.51	4.30E	2.42E	1.51	----	----	9
10	----	----	----	----	----	3.53	2.31	4.16E	2.40E	1.49	----	----	10
11	----	----	----	----	----	3.57	2.88	4.08E	2.40E	1.50	----	----	11
12	----	----	----	----	----	3.62	1.85	4.08E	2.52E	1.66	----	----	12
13	----	----	----	----	----	3.56	1.73	4.18E	2.54E	1.79	----	----	13
14	----	----	----	----	----	3.39	1.64	4.02E	2.52E	1.57	----	----	14
15	----	----	----	----	----	3.28	2.17	3.88E	2.56E	1.65	----	----	15
16	----	----	----	----	----	3.19	3.12	3.73E	2.48E	1.62	----	----	16
17	----	----	----	----	----	2.96	3.09	3.67E	2.65A	1.62	----	----	17
18	----	----	----	----	----	2.76	3.01	3.49E	2.35	1.37	----	----	18
19	----	----	----	----	----	2.57	3.22	3.38E	2.31	1.40	----	----	19
20	----	----	----	----	----	2.40	3.09	3.28E	2.36	1.36 B	----	----	20
21	----	----	----	----	----	2.29	2.89	3.17E	2.38	1.32 B	----	----	21
22	----	----	----	----	----	2.11	2.84	3.07E	2.09	1.28 B	----	----	22
23	----	----	----	----	----	1.97	3.33	3.00E	2.02	1.26 B	----	----	23
24	----	----	----	----	6.79A	1.83	3.33	3.04E	1.95	1.30 B	----	----	24
25	----	----	----	----	7.15	1.72	3.90	3.08E	1.86	1.16 B	----	----	25
26	----	----	----	----	7.86	1.63	3.65	3.18E	1.82	1.13 B	----	----	26
27	----	----	----	----	8.33	1.54	3.61	3.18E	1.75	1.08 B	----	----	27
28	----	----	----	----	8.53	1.45	3.35	3.09E	1.70	1.04 B	----	----	28
29	----		----	----	8.51	1.34	3.13	3.12E	1.73	1.02 B	----	----	29
30	----		----	----	8.13	1.32	3.10	3.15E	1.63	1.00 B	----	----	30
31	----		----		7.58		3.09	3.12E		0.9800		----	31
TOTAL	----	----	----	----	----	98.13	78.78	108.54	70.08	42.900	----	----	TOTAL
MEAN	----	----	----	----	----	3.27	2.54	3.50	2.34	1.38	----	----	MEAN
MAX	----	----	----	----	----	7.03	3.33	4.68	3.07	1.79	----	----	MAX
MIN	----	----	----	----	----	1.32	1.61	2.88	1.63	0.9800	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 20 20 N
LONG 119 08 25 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	6 900
FEB	----	AUG	6 980
MAR	----	SEP	6 060
APR	----	OCT	3 710
MAY	----	NOV	----
JUN	9 480	DEC	----

DUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	0B	0 B	0.0388	0.012	0	0	0.001	0	----	----	1
2	----	----	0B	0 B	0.0408	0.011	0	0	0	0	----	----	2
3	----	----	0B	0 B	0.0454	0.013	0	0	0	0	----	----	3
4	----	----	0B	0 B	0.0428	0.009	0	0	0	0	----	----	4
5	----	----	0B	0 B	0.0408	0.008	0	0	0	0	----	----	5
6	----	----	0B	0 B	0.0588	0.008	0	0	0	0	----	----	6
7	----	----	0B	0 B	0.0568	0.008	0	0	0	0	----	----	7
8	----	----	0B	0 B	0.0548	0.005	0	0	0	0	----	----	8
9	----	----	0B	0 B	0.0528	0.007	0	0	0	0	----	----	9
10	----	----	0B	0 B	0.0508	0.006	0	0	0	0	----	----	10
11	----	----	0B	0 B	0.0058	0.005	0	0	0	0	----	----	11
12	----	----	0B	0 B	0.0418	0.005	0	0	0	0	----	----	12
13	----	----	0B	0 B	0.0378	0.004	0	0	0	0	----	----	13
14	----	----	0B	0 B	0.0338	0.004	0	0	0	0	----	----	14
15	----	----	0B	0 B	0.0298	0.003	0	0	0	0	----	----	15
16	----	----	0B	0.0018	0.0268	0.003	0	0	0	0	----	----	16
17	----	----	0B	0.0018	0.0348	0.003	0	0	0	0	----	----	17
18	----	----	0B	0.0028	0.0258	0.002	0	0	0	0	----	----	18
19	----	----	0B	0.0048	0.0278	0.002	0	0	0	0	----	----	19
20	----	----	0B	0.0108	0.039A	0.002	0	0	0	0	----	----	20
21	----	----	0B	0.0148	0.060	0.002	0	0	0	0	----	----	21
22	----	----	0B	0.0088	0.073	0.002	0	0	0	0	----	----	22
23	----	0B	0B	0.0128	0.064	0.002	0	0	0	0	----	----	23
24	----	0B	0B	0.0208	0.050	0.001	0	0	0	0	----	----	24
25	----	0B	0B	0.0388	0.041	0.001	0	0	0	0	----	----	25
26	----	0B	0B	0.0088	0.036	0.001	0	0	0	0	----	----	26
27	----	0B	0B	0.0108	0.027	0	0	0	0	0	----	----	27
28	----	0B	0B	0.0018	0.027	0	0	0	0	0	----	----	28
29	----		0B	0.0008	0.016	0.001	0	0	0	0	----	----	29
30	----		0B	0.015B	0.014	0.001	0	0	0	0	----	----	30
31	----		0B		0.016		0	0.118	0	0	----	----	31
								0.005					
TOTAL	----	----	0	0.174	1.206	0.133	0	0.123	0.001	0	----	----	TOTAL
MEAN	----	----	0	0.006	0.001	0.004	0	0.004	0	0	----	----	MEAN
MAX	----	----	0	0.040	0.073	0.013	0	0.118	0.001	0	----	----	MAX
MIN	----	----	0	0	0.014	0	0	0	0	0	----	----	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.118 ON AUG 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.489 AT 09:00 MST ON AUG 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 03 00 N
LONG 117 14 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	0
FEB	----	AUG	10.6
MAR	0	SEP	0.09
APR	15.0	OCT	0
MAY	111	NOV	----
JUN	11.5	DEC	----

TOTAL DISCHARGE, 148 dam³

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07OE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	0.3340	0.3618	13.48	13.6	1.95	6.96	16.5	3.87	----	----	1
2	----	----	0.3358	0.3568	18.38	12.4	1.98	16.8	15.2	4.08	----	----	2
3	----	----	0.3368	0.3538	20.2	11.5	2.06	88.8	13.1	3.83	----	----	3
4	----	----	0.3358	0.3528	27.3	11.8	3.37	131	11.3	3.66	----	----	4
5	----	----	0.3398	0.3468	31.8	10.9	10.7	137	10.3	3.52	----	----	5
6	----	----	0.3498	0.3498	25.1	10.8	27.8	111	10.8	3.98	----	----	6
7	----	----	0.3448	0.3488	21.9	9.53	31.7	81.5	9.98	3.38	----	----	7
8	----	----	0.3488	0.3438	21.7	9.08	36.1	54.6	9.52	3.11	----	----	8
9	----	----	0.3508	0.3488	29.7	8.86	38.2	39.5	8.96	3.01	----	----	9
10	----	----	0.3508	0.3438	60.5	8.30	17.8	31.3	8.67	2.97	----	----	10
11	----	----	0.3508	0.3568	66.8	7.75	15.2	27.4	8.33	2.81	----	----	11
12	----	----	0.3508	0.4168	67.9	7.32	13.8	28.1	8.00	2.78	----	----	12
13	----	----	0.3688	0.4388	58.2	6.72	10.7	28.0	7.72	2.88	----	----	13
14	----	----	0.3688	0.4228	69.6	6.28	9.28	22.8	7.27	2.95	----	----	14
15	----	----	0.3648	0.4758	69.8	5.86	9.98	19.9	6.81	2.84	----	----	15
16	----	----	0.3548	0.4548	59.9	5.18	34.3	20.6	6.43	2.52	----	----	16
17	----	----	0.3548	0.4428	57.7	4.84	67.3	25.5	6.08	2.88	----	----	17
18	----	----	0.3548	0.4068	53.5	4.58	86.9	26.0	5.82	2.81	----	----	18
19	----	----	0.3708	0.3988	58.3	4.35	89.6	20.0	5.36	2.99	----	----	19
20	----	----	0.3988	0.3688	58.4	3.75	36.4	16.5	4.98	2.810	----	----	20
21	----	----	0.4088	0.4088	61.3	3.53	21.7	19.3	4.71	2.730	----	----	21
22	----	----	0.3988	0.4588	24.3	3.37	21.8	12.9	4.52	2.660	----	----	22
23	----	----	0.3988	0.4088	29.6	3.07	20.3	13.3	4.21	2.530	----	----	23
24	----	----	0.3858	0.9358	26.5	2.86	28.8	11.4	4.08	2.71	----	----	24
25	----	----	0.3888	1.15 B	24.7	2.63	22.7	11.8	3.88	2.79	----	----	25
26	----	----	0.3788	1.61 B	25.2	2.37	18.2	11.8	3.88	2.87	----	----	26
27	----	----	0.3778	4.08 B	25.6	2.15	15.6	11.4	3.68	2.938	----	----	27
28	----	----	0.3768	5.00 B	22.6	2.08	13.9	10.9	3.67	2.888	----	----	28
29	----	----	0.3748	5.00 B	19.9	1.96	11.8	10.8	3.81	2.888	----	----	29
30	----		0.3728	9.10 B	17.6	1.88	9.15	12.3	3.79	2.888	----	----	30
31	----		0.3688		15.3		7.89	10.9		3.888		----	31
TOTAL	----	----	11.311	37.880	1 117.4	186.83	573.67	1 056.26	219.34	89.96	----	----	TOTAL
MEAN	----	----	0.363	1.26	36.0	6.23	18.5	35.1	7.31	2.90	----	----	MEAN
MAX	----	----	0.409	9.10	67.7	13.6	67.3	137	16.5	4.08	----	----	MAX
MIN	----	----	0.334	0.342	12.4	1.88	1.95	6.96	3.66	2.52	----	----	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.6
MAXIMUM DAILY, 137 ON AUG 5
MINIMUM DAILY, 0.3340 ON MAR 1
MAXIMUM INSTANTANEOUS,
165 AT 03:30 MST ON AUG 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 06 43 N
LONG 117 00 04 W

DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	57 500
FEB	----	AUG	33 100
MAR	3 370	SEP	5 770
APR	98 900	OCT	2 370
MAY	34 600	NOV	----
JUN	11 100	DEC	----

TOTAL DISCHARGE, 305 600 dam³

IRON CREEK NEAR HARDISTY - STATION NO. 05FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	00	0 B	0.883	0.835	0.857	0.888	0.828	0.816	0.887	----	1
2	----	----	00	0 B	0.883	0.837	0.868	0.905	0.825	0.815	0.396	----	2
3	----	----	00	0 B	0.776	0.830	0.886	0.909	0.823	0.819	----	----	3
4	----	----	00	0 B	0.660	0.807	0.888	0.798	0.838	0.828	----	----	4
5	----	----	00	0 B	0.666	0.365	0.884	0.562	0.830	0.823	----	----	5
6	----	----	00	0 B	0.883	0.333	0.888	0.435	0.834	0.822	----	----	6
7	----	----	00	0 B	0.886	0.340	0.883	0.383	0.836	0.822	----	----	7
8	----	----	00	0 B	0.978	0.313	0.873	0.379	0.833	0.828	----	----	8
9	----	----	00	0 B	0.870	0.288	0.599	0.218	0.836	0.868	----	----	9
10	----	----	00	0 B	0.883	0.253	0.888	0.187	0.838	0.858	----	----	10
11	----	----	00	0 B	0.336	0.221	0.810	0.201	0.822	0.830	----	----	11
12	----	----	00	0 B	0.257	0.223	3.38	0.199	0.819	0.826	----	----	12
13	----	----	00	0 B	0.217	0.226	3.78	0.175	0.817	0.868	----	----	13
14	----	----	00	0.0218	0.215	0.388	3.71	0.163	0.817	0.868	----	----	14
15	----	----	00	0.0828	0.218	0.186	3.87	0.185	0.816	0.858	----	----	15
16	----	----	00	0.0868	0.183	0.189	3.15	0.188	0.815	0.858	----	----	16
17	----	----	00	0.1258	0.185	0.153	3.88	0.188	0.816	0.881	----	----	17
18	----	----	00	0.1738	0.158	0.198	3.83	0.136	0.816	0.157	----	----	18
19	----	----	00	0.2408	0.278	0.183	3.39	0.119	0.815	0.148	----	----	19
20	----	----	00	0.3078	0.369	0.183	3.15	0.093	0.813	0.158	----	----	20
21	----	----	00	0.3888	0.383	0.885	1.96	0.189	0.812	0.161	----	----	21
22	----	----	00	0.3858	0.433	0.886	1.95	0.187	0.811	0.163	----	----	22
23	----	----	00	0.4388	0.621	0.882	2.36	0.881	0.811	0.178	----	----	23
24	----	----	00	0.4258	0.388	0.881	1.78	0.874	0.888	0.168	----	----	24
25	----	----	00	0.5888	1.87	0.871	1.87	0.868	0.887	0.396	----	----	25
26	----	----	00	0.6538	0.371	0.864	1.29	0.851	0.888	0.238	----	----	26
27	----	----	00	0.9868	0.381	0.856	1.13	0.845	0.889	0.288	----	----	27
28	----	----	00	0.9888	0.879	0.856	1.88	0.838	0.811	0.336	----	----	28
29	----	----	00	0.9868	0.888	0.852	1.87	0.839	0.813	0.461	----	----	29
30	----	----	00	0.898	0.881	0.843	1.82	0.831	0.813	0.538	----	----	30
31	----		00		0.767		0.925	0.836		0.534		----	31
TOTAL	----	----	0	7.483	16.792	6.384	85.982	7.841	8.515	6.369	----	----	TOTAL
MEAN	----	----	0	0.238	0.562	0.213	1.98	0.286	0.817	0.161	----	----	MEAN
MAX	----	----	0	0.994	1.87	0.635	3.71	0.909	0.838	0.538	----	----	MAX
MIN	----	----	0	0	0.154	0.043	0.057	0.036	0.807	0.816	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.268
MAXIMUM DAILY, 3.71 ON JUL 14
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.78 AC 22:31 MDT ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 03 38 N
LONG 111 10 36 W
DRAINAGE AREA, 3 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	3 970
FEB	----	AUG	640
MAR	0	SEP	44.5
APR	647	OCT	377
MAY	1 650	NOV	----
JUN	552	DEC	----

TOTAL DISCHARGE, 7 700 dam³

IRON CREEK NEAR VIKING - STATION NO. 05FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	00	0 B	----	----	0.0388	0.067	0	0.002	0.004	----	1
2	----	----	00	0 B	----	----	0.0888	0.056	0	0.002	0.002	----	2
3	----	----	00	0 B	----	0.018A	1.36	0.057	0	0.003	0.001	----	3
4	----	----	00	0 B	----	----	2.53	0.050	0	0.003	0 A	----	4
5	----	----	00	0 B	----	----	2.79	0.067	0.001	0.002	----	----	5
6	----	----	00	0 B	----	----	2.96	0.082	0.001	0.001	----	----	6
7	----	----	00	0 B	----	----	1.73	0.088	0.001	0.001	----	----	7
8	----	----	00	0 B	----	----	1.33	0.038	0.001	0.001	----	----	8
9	----	----	00	0 B	----	----	0.935	0.037	0.001	0.001	----	----	9
10	----	----	00	0 B	----	----	0.775	0.018	0.005	0	----	----	10
11	----	----	00	0 B	----	----	0.618	0.013	0.005	0	----	----	11
12	----	----	00	0 B	----	----	0.478	0.010	0.004	0	----	----	12
13	----	----	00	0 B	0.015A	----	0.379	0.008	0.003	0	----	----	13
14	----	----	00	0 B	----	----	0.317	0.004	0.003	0	----	----	14
15	----	----	00	0 B	----	----	0.258	0.004	0.003	0	----	----	15
16	----	----	00	0 B	----	----	0.208	0.002	0.002	0	----	----	16
17	----	----	00	0 B	----	----	0.196	0.001	0.001	0	----	----	17
18	----	----	00	0.0168	----	----	0.167	0	0.001	0	----	----	18
19	----	----	00	0.0888	----	----	0.167	0	0.001	0	----	----	19
20	----	----	00	0.1238	----	----	0.088	0	0.015	0	----	----	20
21	----	----	00	0.2078	----	----	0.117	0	0.718	0	----	----	21
22	----	----	00	0.192A	----	----	0.121	0	0.492	0	----	----	22
23	----	----	00	0.1888	----	----	0.088	0	0.427	0	----	----	23
24	----	----	00	0.1888	----	----	0.108	0	0.085	0	----	----	24
25	----	----	00	0.1388	----	----	0.119	0	0.083	0	----	----	25
26	----	----	00	0.0888	----	----	0.111	0	0.001	0	----	----	26
27	----	----	00	0.0878	----	----	0.108	0	0	0	----	----	27
28	----	----	00	0.0858	----	----	0.103	0	0	0	----	----	28
29	----	----	00	0.0838	----	----	0.091	0	0.002	0	----	----	29
30	----	----	00	0.0828	----	----	0.077	0	0.003	0.010	----	----	30
31	----		00		----		0.069	0		0.007		----	31
TOTAL	----	----	0	1.813	----	----	17.011	0.516	0.186	0.033	----	----	TOTAL
MEAN	----	----	0	0.060	----	----	0.575	0.017	0.006	0.001	----	----	MEAN
MAX	----	----	0	0.054	----	----	2.79	0.067	0.015	0.010	----	----	MAX
MIN	----	----	0	0	----	----	0.058	0	0	0	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 2.79 ON JUL 5
MAXIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.91 AC 10:03 MDT ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 03 38 N
LONG 111 04 07 W

A - ESTIMATED
B - ICE CONDITIONS
E - EQUIVALENT
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	1 560
FEB	----	AUG	44.6
MAR	0	SEP	0.18
APR	157	OCT	3.00
MAY	----	NOV	----
JUN	----	DEC	----

ISLE LAKE AT GUNNAR MINE - STATION NO. 06MA000

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	739.188	739.047E	739.787	739.288	739.108	739.978	----	----	1
2	----	----	----	----	739.187	739.038	739.788	739.288	739.103	739.973	739.021	----	2
3	----	----	----	----	739.184	739.038	739.788	739.288E	739.098	739.968	739.035	----	3
4	----	----	----	----	739.177E	739.922	739.888	739.263	739.093	739.963	----	----	4
5	----	----	738.076	----	739.171E	739.918E	739.153	739.237	739.188	739.963	739.017	----	5
6	----	----	----	----	739.164	739.918E	739.249	739.223	739.198	739.955	----	----	6
7	----	----	----	----	739.164	739.913	739.327	739.217	739.096	739.949	739.011	----	7
8	----	----	----	----	739.164	739.901	739.357	739.203	739.094	739.941	----	----	8
9	----	----	----	----	739.134	739.896	739.378	739.193	739.090	739.935	----	----	9
10	----	----	----	----	739.134	739.885E	739.378	739.178	739.088E	739.933	----	----	10
11	----	----	----	----	739.118	739.872	739.388	739.188	739.083	739.923	----	----	11
12	----	----	----	----	739.108	739.872	739.388	739.187	739.073	739.922	----	----	12
13	----	----	----	----	739.108	739.871	739.388	739.187	739.068	739.919	----	----	13
14	----	----	----	----	739.098	739.863	739.373E	739.178E	739.063	739.913	----	----	14
15	----	----	----	----	739.085	739.857	739.368	739.173	739.059E	739.901	----	----	15
16	----	----	----	----	739.088	739.851	739.391	739.178	739.056	739.899	----	----	16
17	----	----	----	----	739.085	739.846	739.402	739.163	739.050	739.899E	----	----	17
18	----	----	----	----	739.085	739.839	739.410	739.155	739.043	739.899E	----	----	18
19	----	----	----	----	739.088	739.832	739.412	739.148	739.037	739.899	----	----	19
20	----	----	----	739.734	739.088	739.828	739.405	739.141	739.035	739.889	----	----	20
21	----	----	----	739.884	739.088	739.827	739.383	739.136	739.032	739.883	----	----	21
22	----	----	----	----	739.088	739.822	739.403	739.129	739.026	739.881	----	----	22
23	----	----	----	----	739.027	739.825	739.387	739.122	739.020	739.877	----	----	23
24	----	----	----	739.969	739.027	739.818E	739.382	739.113	739.018	739.871	----	----	24
25	----	----	----	739.064	739.012E	739.808	739.382	739.117	739.015	739.867	----	----	25
26	----	----	----	739.114	739.998	739.806	739.367	739.113	739.008E	733.865	----	----	26
27	----	----	----	739.134	739.992E	739.802	739.349	739.118	739.001	739.868	----	----	27
28	----	----	----	739.164	739.988	739.800	739.335	739.108	738.991	739.855	----	----	28
29	----	----	----	739.164	739.972	739.795	739.325	739.093	739.988E	739.849	----	----	29
30	----	----	----	739.174	739.967	739.782	739.315	739.114	739.981	739.843	----	----	30
31	----	----	----		739.955		739.303	739.106		739.845		----	31
MEAN	----	----	----	----	739.081	739.859	739.389	739.169	739.054	739.907	----	----	MEAN
MAX	----	----	----	----	739.187	739.947	739.412	739.288	739.106	739.979	----	----	MAX
MIN	----	----	----	----	738.955	739.782	739.787	739.093	738.981	739.843	----	----	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 739.412 ON JUL 19

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 22 N
LONG 114 42 01 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	0B	0 B	0.537	0.125	0.024	0.306	0.310	0.004	----	----	1
2	----	----	0B	0 B	0.461	0.106	0.008	0.294	0.332	0.004	----	----	2
3	----	----	0B	0.0830	0.388	0.081	0.110	0.339	0.272	0.004	----	----	3
4	----	----	0B	0.0668	0.338	0.051	0.115	0.303	0.308	0.004	----	----	4
5	----	----	0B	0.0668	0.295	0.050	0.210	0.302	0.309	0.004	----	----	5
6	----	----	0B	0.0148	0.259	0.052	0.238	0.306	0.305	0.004	----	----	6
7	----	----	0B	0.0288	0.233	0.035	0.252	0.275	0.332	0.004	----	----	7
8	----	----	0B	0.0258	0.186	0.029	0.287	0.232	0.304	0.004	----	----	8
9	----	----	0B	0.0328	0.184	0.022	0.405	0.264	0.303	0.004	----	----	9
10	----	----	0B	0.0408	0.195	0.020	0.362	0.241	0.224	0.004	----	----	10
11	----	----	0B	0.0488	0.259	0.026	0.308	0.238	0.211	0.004	----	----	11
12	----	----	0B	0.0588	0.319	0.035	0.317	0.298	0.178	0.004	----	----	12
13	----	----	0B	0.0688	0.328	0.035	0.326	0.295	0.101	0.004	----	----	13
14	----	----	0B	0.0888	0.306	0.041	0.336	0.289	0.137	0.004	----	----	14
15	----	----	0B	0.1088	0.256	0.038	0.381	0.304	0.372	0.002	----	----	15
16	----	----	0B	0.1288	0.220	0.035	0.366	0.303	0.222	0.002	----	----	16
17	----	----	0B	0.1488	0.204	0.039	0.365	0.261	0.168	0.002	----	----	17
18	----	----	0B	0.1768	0.205	0.038	0.352	0.264	0.105	0.002	----	----	18
19	----	----	0B	0.2098	0.207	0.038	0.413	0.272	0.106	0.002	----	----	19
20	----	----	0B	0.3368	0.231	0.039	0.399	0.278	0.074	0.002	----	----	20
21	----	----	0B	0.5208	0.206	0.040	0.368	0.295	0.047	0.002	----	----	21
22	----	----	0B	1.56 B	0.179	0.035	0.359	0.257	0.027	0.002	----	----	22
23	----	----	0B	2.38 B	0.213	0.031	0.423	0.284	0.013	0.002	----	----	23
24	----	----	0B	2.26 B	0.194	0.025	0.364	0.285	0.005	0.002	----	----	24
25	----	----	0B	2.16 B	0.171	0.022	0.332	0.289	0.004	0.010	----	----	25
26	----	----	0B	2.00 B	0.178	0.020	0.315	0.286	0.004	0.020A	----	----	26
27	----	----	0B	1.98 B	0.153	0.022	0.320	0.257	0.004	0.010E	----	----	27
28	----	----	0B	1.10 B	0.129	0.019	0.357	0.288	0.004	0.012E	----	----	28
29	----		0B	0.0888	0.117	0.018	0.357	0.275	0.004	0.0088	----	----	29
30	----		0B	0.0488	0.123	0.015	0.357	0.273	0.004	0.0068	----	----	30
31	----		0B		0.134		0.367	0.316		0.0028		----	31
TOTAL	----	----	0	16.371	7.384	1.184	9.099	8.759	4.243	0.156	----	----	TOTAL
MEAN	----	----	0	0.566	0.230	0.039	0.306	0.282	0.141	0.005	----	----	MEAN
MAX	----	----	0	2.38	0.537	0.125	0.423	0.369	0.372	0.020	----	----	MAX
MIN	----	----	0	0	0.117	0.015	0.024	0.232	0.004	0.002	----	----	MIN

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.196
MAXIMUM DAILY, 2.380 ON APR 23
MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 30 N
LONG 114 41 10 W
DRAINAGE AREA, 695 km²
A - MINIMAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	891
FEB	----	AUG	797
MAR	0	SEP	367
APR	1 410	OCT	13.5
MAY	638	NOV	----
JUN	103	DEC	----

TOTAL DISCHARGE, 4 119 dam³

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	----	5.55	1.66	1.50	1.44	0.703	---	---	1
2	----	----	----	----	----	5.67	1.61	1.63	1.43	0.706	---	---	2
3	----	----	----	----	----	5.99	1.76	1.69	1.39	0.721	---	---	3
4	----	----	----	----	----	5.31	1.83	1.72	1.38	0.679	---	---	4
5	----	----	----	----	----	5.13	2.04	1.72	1.28	0.670	---	---	5
6	----	----	----	----	----	4.98	2.14	1.69	1.25	0.648	---	---	6
7	----	----	----	----	----	5.04	2.28	1.76	1.20	0.631	---	---	7
8	----	----	----	----	----	4.97	2.28	1.87	1.15	0.620E	---	---	8
9	----	----	----	----	----	4.72	2.29	1.93	1.13	0.612E	---	---	9
10	----	----	----	----	----	4.64	2.25	1.89	1.11	0.604E	---	---	10
11	----	----	----	----	----	4.55	2.22	1.84	1.07	0.596E	---	---	11
12	----	----	----	----	----	4.35	2.19	1.78	1.04	0.588E	---	---	12
13	----	----	----	----	----	4.21	2.16	1.75	1.04	0.576E	---	---	13
14	----	----	----	----	----	4.03	2.11	1.68	1.00	0.568E	---	---	14
15	----	----	----	----	----	3.90	2.19	1.63	1.01	0.558E	---	---	15
16	----	----	----	----	----	3.60	2.12	1.68	1.02	0.548E	---	---	16
17	----	----	----	----	----	3.56	2.12	1.77	1.02	0.542E	---	---	17
18	----	----	----	----	----	3.25	2.06	1.65	0.977	0.536E	---	---	18
19	----	----	----	----	----	3.14	1.98	1.58	0.952	0.518E	---	---	19
20	----	----	----	4.60A		3.07	1.84	1.54	0.949	0.502E	---	---	20
21	----	----	----	----	4.43	2.93	1.83	1.60	0.938	0.488E	---	---	21
22	----	----	----	----	4.23	2.70	1.91	1.56	0.928	0.455E	---	---	22
23	----	----	----	----	4.12	2.52	1.86	1.54	0.905	0.435E	---	---	23
24	----	----	----	----	4.21	2.40	1.83	1.54	0.898	0.410E	---	---	24
25	----	----	----	----	4.43	2.27	1.85	1.50	0.836	0.390E	---	---	25
26	----	----	----	----	4.66	2.17	1.83	1.42	0.812	0.370E	---	---	26
27	----	----	----	----	4.91	2.05	1.79	1.44	0.784	0.350E	---	---	27
28	----	----	----	----	5.12	1.93	1.67	1.46	0.705	0.335E	---	---	28
29	----	----	----	----	5.26	1.81	1.57	1.40	0.673	0.320E	---	---	29
30	----		----	----	5.41	1.75	1.55	1.47	0.687	0.305E	---	---	30
31	----		----		5.58		1.50	1.49		0.295E		---	31
TOTAL	----	----	----	----	---	111.15	60.16	50.68	30.914	16.267	---	---	TOTAL
MEAN	----	----	----	----	---	3.71	1.94	1.63	1.03	0.525	---	---	MEAN
MAX	----	----	----	----	---	5.55	2.29	1.93	1.44	0.721	---	---	MAX
MIN	----	----	----	----	---	1.75	1.50	1.40	0.673	0.295	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 25 N
LONG 111 06 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 200
FEB	---	AUG	4 380
MAR	---	SEP	2 670
APR	---	OCT	1 410
MAY	---	NOV	---
JUN	9 600	DEC	---

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	0B	0 B	3.68	0.753	0.034	0.005	0.211	0.056	---	---	1
2	----	----	0B	0 B	5.73	0.654	0.042	0.006	0.192	0.053	---	---	2
3	----	----	0B	0 B	6.11	0.575	0.050	0.008	0.174	0.048	---	---	3
4	----	----	0B	0 B	6.14	0.504	0.056	0.010	0.154	0.046	---	---	4
5	----	----	0B	0 B	6.16	0.432	0.058	0.014	0.161	0.045	---	---	5
6	----	----	0B	0 B	6.05	0.387	0.043	0.015	0.163	0.048	---	---	6
7	----	----	0B	0 B	5.88	0.335	0.029	0.016	0.170	0.043	---	---	7
8	----	----	0B	0 B	5.85	0.274	0.028	0.017	0.177	0.038	---	---	8
9	----	----	0B	0 B	4.38	0.237	0.029	0.017	0.172	0.036	---	---	9
10	----	----	0B	0 B	3.74	0.266	0.030	0.017	0.194	0.038	---	---	10
11	----	----	0B	0.001B	3.25	0.242	0.028	0.016	0.217	0.041	---	---	11
12	----	----	0B	0.001B	2.98	0.192	0.026	0.015	0.194	0.039	---	---	12
13	----	----	0B	0.001B	2.95	0.199	0.025	0.015	0.272	0.030	---	---	13
14	----	----	0B	0.002B	3.00	0.231	0.023	0.016	0.180	0.028	---	---	14
15	----	----	0B	0.003B	3.05	0.226	0.021	0.017	0.229	0.030	---	---	15
16	----	----	0B	0.004B	2.97	0.227	0.019	0.017	0.197	0.042	---	---	16
17	----	----	0B	0.008B	2.80	0.212	0.016	0.094	0.203	0.046	---	---	17
18	----	----	0B	0.008B	2.57	0.191	0.015	0.116	0.184	0.045	---	---	18
19	----	----	0B	0.010B	2.45	0.167	0.013	0.085	0.155	0.047B	---	---	19
20	----	----	0B	0.015B	2.37	0.143	0.009	0.079	0.144	0.048B	---	---	20
21	----	----	0B	0.023B	2.33	0.174	0.007	0.127	0.138	0.044B	---	---	21
22	----	----	0B	0.030B	2.23	0.164	0.008	0.184	0.109	0.042B	---	---	22
23	----	----	0B	0.038B	2.14	0.136	0.004	0.215	0.109	0.045B	---	---	23
24	----	----	0B	0.506B	1.97	0.116	0.004	0.363	0.088	0.050B	---	---	24
25	----	0B	0B	1.41 B	1.79	0.118	0.004	0.234	0.080	0.054B	---	---	25
26	----	0B	0B	2.28 B	1.61	0.082	0.005	0.237	0.068	0.054B	---	---	26
27	----	0B	0B	3.12 B	1.55	0.065	0.005	0.211	0.060	0.053B	---	---	27
28	----	0B	0B	3.16 B	1.39	0.059	0.005	0.230	0.059	0.054B	---	---	28
29	----		0B	3.46 B	1.15	0.053	0.004	0.235	0.058	0.053B	---	---	29
30	----		0B	3.95 B	1.02	0.040	0.004	0.236	0.057	0.053B	---	---	30
31	----		0B		0.882		0.004	0.231		0.052B		---	31
TOTAL	----	----	0	13.950	98.962	7.460	0.645	3.998	4.555	1.491	---	---	TOTAL
MEAN	----	----	0	0.465	3.19	0.249	0.021	0.097	0.152	0.048	---	---	MEAN
MAX	----	----	0	3.95	6.16	0.753	0.058	0.363	0.272	0.056	---	---	MAX
MIN	----	----	0	0	0.882	0.040	0.004	0.005	0.057	0.030	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.530
MAXIMUM DAILY, 6.16 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS, 8.27 AT 13:00 MST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 11 35 N
LONG 115 45 00 W
DRAINAGE AREA, 582 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	93.7
FEB	---	AUG	259
MAR	0	SEP	394
APR	1 210	OCT	131
MAY	9 550	NOV	---
JUN	645	DEC	---

TOTAL DISCHARGE, 11 300 dam³

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.595B	1.00B	4.84	8.12	10.7	9.06	4.18	4.39	---	---	1
2	---	---	0.597B	1.03B	4.75	7.12	9.75	8.65	3.73	4.22	---	---	2
3	---	---	0.597B	1.04B	4.88	6.28	16.6	8.34	3.48	4.71	---	---	3
4	---	---	0.561B	1.05B	3.82	6.05	35.9	8.38	3.40	5.04	---	---	4
5	---	---	0.538B	1.10B	3.43	6.58	48.2	7.48	4.17	4.68	---	---	5
6	---	---	0.545B	1.05B	3.38	9.36	29.1	6.65	4.06	4.20	---	---	6
7	---	---	0.547B	1.04B	3.64	11.4	21.5	6.00	3.59	3.91	---	---	7
8	---	---	0.558B	1.05B	3.36	10.6	17.4	5.54	3.30	3.69	---	---	8
9	---	---	0.580B	1.07B	3.11	9.56	15.2	5.17	3.08	3.40	---	---	9
10	---	---	0.602B	1.09B	4.14	9.32	13.6	4.89	3.06	3.28	---	---	10
11	---	---	0.622B	1.12B	5.44	8.45	17.1	4.68	3.33	3.23	---	---	11
12	---	---	0.642B	1.16B	8.45	7.55	9.87	4.56	3.22	3.15	---	---	12
13	---	---	0.659B	1.35B	9.05	6.60	10.2	4.37	3.12	3.07	---	---	13
14	---	---	0.667B	1.60B	8.43	5.97	9.10	4.29	3.06	3.00	---	---	14
15	---	---	0.674B	1.88B	7.32	5.55	10.2	4.71	2.97	2.94	---	---	15
16	---	---	0.665B	2.50B	8.80	5.85	8.48	4.29	2.96	2.93	---	---	16
17	---	---	0.664B	2.80B	8.72	6.12	7.49	3.87	2.96	2.90	---	---	17
18	---	---	0.665B	3.18B	7.39	5.62	6.75	3.55	2.77	2.85	---	---	18
19	---	---	0.665B	3.91B	7.40	4.84	6.12	3.36	2.64	2.70	---	---	19
20	---	---	0.670B	3.28B	6.71	4.57	8.55	3.24	2.54	2.59	---	---	20
21	---	---	0.671B	3.76B	5.81	4.70	31.5	3.24	2.45	2.57	---	---	21
22	---	---	0.678B	4.19B	5.26	4.80	24.6	3.17	2.40	2.71	---	---	22
23	---	---	0.687B	3.70B	5.28	5.63	18.7	3.29	2.37	2.62	---	---	23
24	---	---	0.900B	3.09B	4.97	6.03	14.5	3.31	2.31	2.57	---	---	24
25	---	---	0.980B	3.15B	4.80	5.63	15.0	3.20	2.26	2.53	---	---	25
26	---	---	0.960B	4.98B	4.59	5.57	17.2	3.81	2.92	2.49	---	---	26
27	---	---	0.978B	6.06	8.01	7.07	13.9	5.57	5.79	2.44	---	---	27
28	---	---	0.980B	6.16	15.5	22.1	11.8	5.42	4.97	2.39	---	---	28
29	---		0.951B	6.02	12.9	21.1	10.7	5.92	4.99	2.22A	---	---	29
30	---		0.977B	5.19	10.6	14.7	11.5	5.00	4.83	2.10E	---	---	30
31	---		0.980B		9.50		10.3	4.62		2.00E		---	31
TOTAL	---	---	22.050	78.52	204.25	242.84	484.91	157.59	100.83	97.43	---	---	TOTAL
MEAN	---	---	0.711	2.62	6.59	8.09	15.6	5.08	3.36	3.14	---	---	MEAN
MAX	---	---	0.980	6.16	15.5	22.1	48.2	9.06	5.79	5.04	---	---	MAX
MIN	---	---	0.538	1.00	3.11	4.57	6.12	3.17	2.26	2.00	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.67
MAXIMUM DAILY, 48.2 ON JUL 5
MINIMUM DAILY, 0.538B ON MAR 5
MAXIMUM INSTANTANEOUS, 64.4A ON JUL 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 55 37 N
LONG 114 41 04 W
DRAINAGE AREA, 821 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41 900
FEB	---	AUG	13 600
MAR	1 910	SEP	8 710
APR	6 780	OCT	8 420
MAY	17 600	NOV	---
JUN	21 000	DEC	---

TOTAL DISCHARGE, 120 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DETERMINED FROM PEN READING OFF ROLLER

JAYDOT RESERVOIR NEAR JAYDOT - STATION NO. 11AB093

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	920.458	---	---	7
8	---	---	919.391E	919.391E	920.954E	920.902E	920.815E	920.662E	920.522E	---	---	---	8
9	---	---	---	---	---	---	---	---	---	920.455E	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	919.391	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	919.391E	920.190E	920.938E	920.894E	920.766E	920.610E	920.495E	920.441E	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	921.072	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	919.391E	---	---	920.928	---	---	920.576	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	920.436	---	---	27
28	---	919.391E	---	920.964	---	920.862E	920.719	---	920.466E	---	---	---	28
29	---		919.391E	---	920.922E	---	920.714E	920.554E	---	920.428E	---	---	29
30	---		---	920.962E	---	920.853	---	---	920.462E	---	---	---	30
31	---		919.391E		920.918E		920.702E	920.546E		920.425E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 32 N
LONG 110 00 52 W

E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.380B	4.36	7.05	2.90	1.43	1.38	0.780B	---	1
2	---	---	---	---	0.360B	5.07	5.88	2.72	1.36	1.39	0.778B	---	2
3	---	---	---	---	0.340B	5.64	5.77	2.56	1.39	1.38	0.776B	---	3
4	---	---	---	---	0.330B	5.68	5.64	2.40	1.94	1.15	0.774B	---	4
5	---	---	---	---	0.320B	5.60	5.22	2.18	2.28	1.31	0.772B	---	5
6	---	---	---	---	0.310B	5.15	5.48	2.05	2.01	1.16	0.770B	---	6
7	---	---	---	---	0.290B	4.15	5.46	2.00	1.86	1.15	---	---	7
8	---	---	---	---	0.280B	3.61	5.28	1.95	1.81	1.04	---	---	8
9	---	---	---	---	0.270B	3.75	5.04	2.09	1.94	0.965	---	---	9
10	---	---	---	---	0.262B	4.96	4.79	2.22	2.52	0.936	---	---	10
11	---	---	---	---	0.260B	6.59	4.74	2.22	2.21	0.949	---	---	11
12	---	---	---	---	0.258B	9.34	4.46	2.18	2.07	0.931	---	---	12
13	---	---	---	---	0.257E	13.1	4.19	2.14	1.97	0.918	---	---	13
14	---	---	---	---	0.300A	15.9	5.22	2.06	1.85	0.902	---	---	14
15	---	---	---	---	1.02	15.5	4.70	1.93	1.79	0.900	---	---	15
16	---	---	---	---	1.33	14.7	3.72	1.76	1.75	0.879	---	---	16
17	---	---	---	---	1.67	12.7	3.42	1.68	1.69	0.871	---	---	17
18	---	---	---	---	2.31	12.4	3.42	1.61	1.62	0.893	---	---	18
19	---	---	---	---	2.39	13.3	3.61	1.54	1.58	0.894	---	---	19
20	---	---	---	---	2.58	14.0	4.99	1.60	1.52	0.852	---	---	20
21	---	---	---	---	3.07	13.2	5.15	1.67	1.51	0.818	---	---	21
22	---	---	---	---	3.44	12.8	4.64	1.59	1.50	0.881	---	---	22
23	---	---	---	---	3.47	10.7	3.82	1.54	1.43	0.949	---	---	23
24	---	---	---	---	3.99	9.84	3.38	1.47	1.35	0.877	---	---	24
25	---	---	---	---	5.47	9.63	3.34	1.47	1.40	0.841	---	---	25
26	---	---	---	---	4.37	9.13	3.25	1.56	1.59	0.817	---	---	26
27	---	---	---	---	3.35	9.21	3.17	1.53	1.59	0.807	---	---	27
28	---	---	---	---	2.82	8.43	3.14	1.59	1.54	0.789	---	---	28
29	---		---	---	2.46	6.92	3.08	1.58	1.50	0.786	---	---	29
30	---		---	---	2.31	7.87	3.05	1.52	1.39	0.784B	---	---	30
31	---		---		3.04		3.09	1.49		0.782B		---	31
TOTAL	---	---	---	---	53.307	273.23	137.19	58.80	51.39	29.981	---	---	TOTAL
MEAN	---	---	---	---	1.72	9.11	4.43	1.90	1.71	0.967	---	---	MEAN
MAX	---	---	---	---	5.47	15.9	7.05	2.90	2.52	1.39	---	---	MAX
MIN	---	---	---	---	0.257	3.61	3.05	1.47	1.35	0.782	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.28
MAXIMUM DAILY, 15.9 ON JUN 14
MINIMUM DAILY, 0.257E ON MAY 13
MAXIMUM INSTANTANEOUS,
24.2 AT 21:15 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 14 40 N
LONG 115 50 30 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 900
FEB	---	AUG	5 080
MAR	---	SEP	4 440
APR	---	OCT	2 590
MAY	4 610	NOV	---
JUN	23 600	DEC	---

TOTAL DISCHARGE, 52 200 dam³

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.002B	8.34 B	0.719	0.033	0.073	0.121	0.066	---	---	1
2	---	---	0.002B	0.002B	8.27	0.667	0.040	0.074	0.112	0.063	---	---	2
3	---	---	0.002B	0.002B	6.72	0.510	0.040	0.074	0.122	0.074	---	---	3
4	---	---	0.002B	0.002B	5.69	0.425	0.093	0.076	0.156	0.081	---	---	4
5	---	---	0.002B	0.002B	4.58	0.350	0.105	0.111	0.116	0.086	---	---	5
6	---	---	0.002B	0.002B	3.36	0.310	0.123	0.179	0.106	0.096	---	---	6
7	---	---	0.002B	0.002B	3.16	0.259	0.132	0.225	0.087	0.100	---	---	7
8	---	---	0.002B	0.003B	2.42	0.251	0.118	0.210	0.068	0.092	---	---	8
9	---	---	0.002B	0.004B	2.00	0.219	0.086	0.383	0.046	0.102	---	---	9
10	---	---	0.002B	0.005B	1.69	0.206	0.058	0.215	0.051	0.105	---	---	10
11	---	---	0.002B	0.006B	1.49	0.187	0.039	0.160	0.042	0.128	---	---	11
12	---	---	0.002B	0.007B	1.31	0.168	0.018	0.149	0.027	0.160	---	---	12
13	---	---	0.002B	0.008B	1.21	0.162	0.012	0.135	0.056	0.190	---	---	13
14	---	---	0.002B	0.009B	1.22	0.185	0.006	0.105	0.140	0.140	---	---	14
15	---	---	0.002B	0.009B	1.35	0.140	0.004	0.105	0.111	0.139	---	---	15
16	---	---	0.002B	0.009B	1.65	0.127	0.003	0.113	0.094	0.156	---	---	16
17	---	---	0.002B	0.009B	2.45	0.131	0.002	0.104	0.070	0.171	---	---	17
18	---	---	0.002B	0.021B	2.47	0.297	0.002	0.101	0.074	0.165	---	---	18
19	---	---	0.002B	0.030B	2.21	0.391	0.005	0.116	0.067	0.166	---	---	19
20	---	---	0.002B	0.046B	2.02	0.175	0.004	0.100	0.093	0.166	---	---	20
21	---	---	0.003B	0.070B	1.77	0.141	0.005	0.097	0.075	0.154	---	---	21
22	---	---	0.003B	0.100B	1.45	0.121	0.006	0.089	0.055	0.140	---	---	22
23	---	---	0.003B	0.150B	1.31	0.110	0.035	0.061	0.049	0.143	---	---	23
24	---	---	0.003B	0.250B	1.85	0.097	0.095	0.057	0.063	0.152	---	---	24
25	---	---	0.002B	0.350B	1.79	0.094	0.077	0.041	0.072	0.147	---	---	25
26	---	---	0.002B	0.500B	1.54	0.077	0.097	0.029	0.046	0.189	---	---	26
27	---	---	0.002B	1.50 B	1.30	0.060	0.141	0.025	0.043	0.161	---	---	27
28	---	---	0.002B	3.14 B	1.16	0.051	0.123	0.058	0.046	0.166	---	---	28
29	---		0.002B	5.07 B	0.994	0.044	0.106	0.064	0.049	0.203	---	---	29
30	---		0.002B	6.93 B	0.874	0.031	0.088	0.069	0.060	0.166	---	---	30
31	---		0.002B		0.786		0.081	0.088		0.169A		---	31
TOTAL	---	---	0.066	18.240	78.434	6.665	1.777	3.486	2.317	4.196	---	---	TOTAL
MEAN	---	---	0.002	0.608	2.53	0.222	0.057	0.112	0.077	0.135	---	---	MEAN
MAX	---	---	0.003	6.93	8.34	0.719	0.141	0.383	0.156	0.203	---	---	MAX
MIN	---	---	0.002	0.002	0.786	0.031	0.002	0.025	0.027	0.063	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.470
MAXIMUM DAILY, 8.34B ON MAY 1
MINIMUM DAILY, 0.002B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.32 AT 16:47 MST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 27 N
LONG 111 44 30 W
DRAINAGE AREA, 248 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	154
FEB	---	AUG	301
MAR	5.70	SEP	200
APR	1 580	OCT	363
MAY	6 780	NOV	---
JUN	576	DEC	---

TOTAL DISCHARGE, 9 960 dam³

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.110B	1.23	0.746	0.189	0.074	0.116	0.062B	---	1
2	---	---	---	---	0.100B	1.72	0.745	0.177	0.070	0.120	---	---	2
3	---	---	---	---	0.090B	2.08	0.687	0.165	0.068	0.116	---	---	3
4	---	---	---	---	0.087B	2.55	0.710	0.163	0.099	0.105	---	---	4
5	---	---	---	---	0.084B	3.43	0.712	0.157	0.093	0.099	---	---	5
6	---	---	---	---	0.086B	2.77	0.633	0.144	0.077	0.095	---	---	6
7	---	---	---	---	0.088B	2.07	0.608	0.142	0.071	0.097	---	---	7
8	---	---	---	---	0.090B	2.04	0.569	0.139	0.069	0.092	---	---	8
9	---	---	---	---	0.095B	2.55	0.534	0.139	0.068	0.089	---	---	9
10	---	---	---	---	0.100B	2.99	0.489	0.133	0.092	0.089	---	---	10
11	---	---	---	---	0.200B	2.89	0.462	0.134	0.077	0.090	---	---	11
12	---	---	---	---	0.278B	2.46	0.439	0.131	0.080	0.088	---	---	12
13	---	---	---	---	0.300B	2.12	0.418	0.121	0.088	0.086	---	---	13
14	---	---	---	---	0.330B	1.83	0.393	0.124	0.081	0.085	---	---	14
15	---	---	---	---	0.365B	1.55	0.366	0.119	0.079	0.085	---	---	15
16	---	---	---	---	0.612	1.59	0.352	0.112	0.082	0.085	---	---	16
17	---	---	---	---	0.608	1.37	0.335	0.107	0.074	0.086	---	---	17
18	---	---	---	---	0.599	1.26	0.317	0.101	0.071	0.082	---	---	18
19	---	---	---	---	0.553	1.14	0.300	0.097	0.068	0.077B	---	---	19
20	---	---	---	---	0.512	1.02	0.417	0.096	0.068	0.080B	---	---	20
21	---	---	---	---	0.583	0.917	0.329	0.095	0.068	0.081	---	---	21
22	---	---	---	---	0.564	0.881	0.306	0.092	0.067	0.083	---	---	22
23	---	---	---	---	0.587	0.851	0.270	0.093	0.068	0.083	---	---	23
24	---	---	---	---	0.596	0.788	0.255	0.088	0.067	0.077	---	---	24
25	---	---	---	---	0.587	0.745	0.262	0.089	0.069	0.077	---	---	25
26	---	---	---	---	0.448	0.692	0.250	0.138	0.168	0.075	---	---	26
27	---	---	---	---	0.230	0.754	0.222	0.110	0.135	0.073	---	---	27
28	---	---	---	---	0.416	0.756	0.212	0.096	0.125	0.071	---	---	28
29	---		---	0.133B	0.412	0.754	0.207	0.094	0.115	0.070B	---	---	29
30	---		---	0.120B	0.446	0.743	0.195	0.089	0.108	0.070B	---	---	30
31	---		---		0.661		0.195	0.080		0.065B		---	31
TOTAL	---	---	---	---	10.817	48.541	12.935	3.746	2.539	2.687	---	---	TOTAL
MEAN	---	---	---	---	0.349	1.62	0.417	0.121	0.085	0.087	---	---	MEAN
MAX	---	---	---	---	0.661	3.43	0.746	0.189	0.168	0.120	---	---	MAX
MIN	---	---	---	---	0.084	0.692	0.195	0.080	0.067	0.065	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.442
MAXIMUM DAILY, 3.43 ON JUN 5
MINIMUM DAILY, 0.065B ON OCT 31
MAXIMUM INSTANTANEOUS,
3.86 AT 20:30 MST ON JUN 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 09 N
LONG 114 56 14 W
DRAINAGE AREA, 36.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 120
FEB	---	AUG	324
MAR	---	SEP	219
APR	---	OCT	232
MAY	935	NOV	---
JUN	4 190	DEC	---

TOTAL DISCHARGE, 7 020 dam³

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.070B	0B	0 B	0.280B	1.57	4.28	6.14	0.675	0.435	0.758	0.396B	0.104B	1
2	0.050B	0B	0 B	0.265B	1.57	4.36	4.89	0.657	0.387	0.690	0.365B	0.102B	2
3	0.030B	0B	0 B	0.255B	1.49	4.63	4.24	0.619	0.338	0.641	0.370B	0.100B	3
4	0.010B	0B	0 B	0.245B	1.37	5.11	3.56	0.590	0.384	0.613	0.375B	0.095B	4
5	0 B	0B	0 B	0.235B	1.11	6.25	3.71	0.577	0.445	0.562	0.380B	0.090B	5
6	0 B	0B	0 B	0.227B	0.997	8.22	3.93	0.539	0.453	0.518	0.370B	0.088B	6
7	0 B	0B	0 B	0.230B	0.955	9.13	3.98	0.513	0.404	0.495	0.350B	0.085B	7
8	0 B	0B	0 B	0.240B	0.902	8.90	4.42	0.484	0.357	0.469	0.330B	0.082B	8
9	0 B	0B	0 B	0.400B	0.797	8.66	4.28	0.469	0.335	0.447	0.315B	0.086B	9
10	0 B	0B	0 B	1.01 B	0.716	8.85	3.09	0.470	0.413	0.440	0.295B	0.090B	10
11	0 B	0B	0 B	1.07 B	0.718	8.43	2.51	0.423	0.410	0.439	0.280B	0.100B	11
12	0 B	0B	0 B	1.12 B	0.765	7.67	2.10	0.398	0.433	0.411	0.260B	0.105B	12
13	0 B	0B	0 B	3.09 B	0.810	6.59	2.05	0.378	0.445	0.400	0.240B	0.115B	13
14	0 B	0B	0 B	4.60 B	0.778	5.75	1.89	0.385	0.436	0.399	0.235B	0.125B	14
15	0 B	0B	0 B	4.01 B	0.857	5.17	1.60	0.379	0.407	0.402	0.230B	0.135B	15
16	0 B	0B	0 B	3.20 B	1.04	4.84	1.43	0.380	0.428	0.387	0.220B	0.145B	16
17	0 B	0B	0 B	2.10 B	1.23	5.08	1.34	0.381	0.394	0.388	0.205B	0.160B	17
18	0 B	0B	0 B	2.05 B	1.27	4.29	1.23	0.348	0.370	0.403	0.190B	0.170B	18
19	0 B	0B	0 B	2.00 B	1.34	3.68	1.14	0.332	0.349	0.414	0.170B	0.168B	19
20	0 B	0B	0 B	1.16 B	1.17	3.27	1.29	0.333	0.330	0.407B	0.150B	0.166B	20
21	0 B	0B	0 B	1.20 B	1.07	2.98	1.83	0.346	0.307	0.401	0.120B	0.164B	21
22	0 B	0B	0.005B	2.56 B	1.16	2.79	1.78	0.336	0.311	0.404	0.095B	0.162B	22
23	0 B	0B	0.010B	2.00 B	1.07	3.07	1.49	0.354	0.310	0.398	0.100B	0.155B	23
24	0 B	0B	0.020B	2.34 B	1.09	3.12	1.22	0.360	0.280	0.375	0.105B	0.145B	24
25	0 B	0B	0.100B	2.20 B	1.21	3.03	1.12	0.351	0.258	0.368	0.115B	0.135B	25
26	0 B	0B	0.220B	2.66 B	1.46	2.84	1.08	0.448	0.561	0.386	0.110B	0.120B	26
27	0 B	0B	0.395B	2.57 B	2.20	3.46	1.06	0.562	1.19	0.352	0.100B	0.110B	27
28	0 B	0B	0.420B	2.26	2.60	9.73	0.962	0.558	1.05	0.336B	0.107B	0.100B	28
29	0 B		0.390B	2.03	3.58	9.77	0.859	0.556	0.958	0.360B	0.106B	0.095B	29
30	0 B		0.312B	1.75	4.04	8.02	0.789	0.568	0.871	0.380B	0.105B	0.085B	30
31	0 B		0.295B		4.03		0.730	0.587		0.390B		0.088B	31
TOTAL	0.160	0	2.167	49.357	44.881	171.97	71.690	14.256	14.049	13.825	6.797	3.682	TOTAL
MEAN	0.005	0	0.070	1.65	1.45	5.73	2.31	0.460	0.468	0.446	0.227	0.118	MEAN
MAX	0.070	0	0.420	4.60	4.04	9.77	6.14	0.675	1.19	0.758	0.396	0.170	MAX
MIN	0	0	0	0.227	0.716	2.79	0.730	0.332	0.258	0.336	0.095	0.088	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 9.77 ON JUN 29
MINIMUM DAILY, 0B ON JAN 5
MAXIMUM INSTANTANEOUS,
12.4 AT 21:02 MST ON JUN 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 16 N
LONG 114 31 42 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13.8	JUL	6 190
FEB	0	AUG	1 230
MAR	187	SEP	1 210
APR	4 280	OCT	1 190
MAY	3 880	NOV	587
JUN	14 900	DEC	316

TOTAL DISCHARGE, 34 809 dam³

KAZBA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	22.5B	175	93.8	61.8A	45.5	38.8	----	----	1
2	----	----	----	----	23.0B	195	85.1	190	41.9	35.4	----	----	2
3	----	----	----	----	20.0B	241	185	172	39.0	33.4	----	----	3
4	----	----	----	----	19.0B	253	153	221	38.7	31.7	----	----	4
5	----	----	----	----	19.7B	215	215	169	55.9	29.9	----	----	5
6	----	----	----	----	22.0B	174	201	116	55.1	28.8	----	----	6
7	----	----	----	----	26.0B	138	182	94.9	47.6	28.0	----	----	7
8	----	----	----	----	34.0B	122	153	80.3	45.1	27.2	----	----	8
9	----	----	----	----	40.0B	119	125	70.6	57.4	26.2	----	----	9
10	----	----	----	----	50.0E	146	106	65.9	76.9	25.7	----	----	10
11	----	----	----	----	68.0E	169	98.4	69.9	71.9	25.4	----	----	11
12	----	----	----	----	79.0E	179	87.2	55.3	66.2	25.0	----	----	12
13	----	----	----	----	80.0E	190 A	81.5	49.6	62.7	24.6	----	----	13
14	----	----	----	----	88.4A	205 A	112	46.3	55.9	24.3	----	----	14
15	----	----	----	----	99.3	184	1 680 A	45.6	51.1	24.4	----	----	15
16	----	----	----	----	123	169	1 220 A	77.9	47.0	24.6	----	----	16
17	----	----	----	----	142	151	437	137	44.7	25.9	----	----	17
18	----	----	----	----	156	144	251 A	102	41.6	25.1	----	----	18
19	----	----	----	----	140	146	191 A	82.7	39.4	25.4A	----	----	19
20	----	----	----	----	127	151	156 A	71.3	37.5	25.0E	----	----	20
21	----	----	----	----	129	134	135	63.4	35.8	23.0E	----	----	21
22	----	----	----	----	156	126	125	58.1	34.7	23.5E	----	----	22
23	----	----	----	----	151	121	106	53.0	33.5	24.5E	----	----	23
24	----	----	----	----	129	105	92.2	49.0	32.1	25.0E	----	----	24
25	----	----	----	----	177	97.9	83.2	54.8	31.0	24.5E	----	----	25
26	----	----	----	----	161	89.1	74.7	57.6	34.0	22.5E	----	----	26
27	----	----	----	----	129	85.6	68.8	53.4	39.2	19.6A	----	----	27
28	----	----	----	----	110	101	66.0A	50.2	40.5	18.5E	----	----	28
29	----		----	----	104	100	62.9A	46.0	44.4	17.5E	----	----	29
30	----		----	----	115	92.8	60.6A	52.3	41.5	18.5E	----	----	30
31	----		----		140		59.6A	51.6		18.0E		----	31
TOTAL	----	----	----	----	2 871.9	4 505.4	6 663.0	2 786.7	1 388.6	789.1	----	----	TOTAL
MEAN	----	----	----	----	92.6	150	215	89.9	46.3	25.5	----	----	MEAN
MAX	----	----	----	----	177	253	1 680	412	76.9	38.8	----	----	MAX
MIN	----	----	----	----	19.0	85.6	59.6	45.6	31.0	17.5	----	----	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 103
MAXIMUM DAILY, 1 680A ON JUL 15
MINIMUM DAILY, 17.5E ON OCT 29
MAXIMUM INSTANTANEOUS,
2 700 AT 21:00 MST ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 22 20 N
LONG 118 35 40 W
DRAINAGE AREA, 3 290 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	576 000
FEB	----	AUG	241 000
MAR	----	SEP	120 000
APR	----	OCT	68 200
MAY	248 000	NOV	----
JUN	389 000	DEC	----

TOTAL DISCHARGE, 1 640 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS OBTAINED FROM HIGH WATER MARK AND SLOPE-AREA MEASUREMENT

KAKWAKSKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0	15.0	14.3	8.06	0.028	0.028	8.42	0.028	0.028	5.81	5.47	12.4	1
2	8.92	15.0	15.6	8.60	0.028	0.028	11.5	1.87	0.028	0.057	5.88	12.1	2
3	6.19	14.6	17.5	8.78	0.028	0.028	8.51	0.028	0.028	0.057	6.20	12.9	3
4	11.7	16.4	16.8	8.12	0.028	0.028	9.85	0.028	0.028	6.35	7.62	11.6	4
5	10.2	14.6	18.6	13.8	0.028	0.028	8.48	0.028	0.028	8.37	5.27	11.8	5
6	9.80	14.6	16.8	11.6	2.25	0.028	8.76	0.028	0.028	8.30	8.071	12.4	6
7	8.96	14.8	13.6	12.3	0.028	2.21	8.95	0.028	1.98	6.00	0.065	12.8	7
8	11.1	14.8	14.8	15.8	0.028	0.028	5.81	0.028	0.028	6.06	5.92	13.8	8
9	9.18	17.6	14.9	15.5	0.028	0.028	3.10	2.78	0.028	0.059	9.71	13.6	9
10	9.30	10.7	12.7	15.8	0.028	0.028	0.028	0.028	0.051	0.059	8.38	13.5	10
11	9.46	10.6	12.4	13.2	2.29	0.028	0.028	0.028	0.051	0.062	9.66	11.0	11
12	9.63	12.1	10.6	15.8	0.028	0.028	6.28	0.028	0.051	0.059	13.5	10.2	12
13	6.61	11.3	12.8	15.6	0.028	0.028	0.028	0.028	0.091	0.059	9.06	14.0	13
14	12.8	12.8	11.9	15.8	0.028	1.96	0.028	0.028	0.045	0.059	2.67	13.8	14
15	9.59	14.2	15.0	16.6	0.028	0.028	0.048	0.028	0.045	6.06	7.96	13.3	15
16	9.35	14.5	18.1	16.2	0.028	0.028	0.045	4.26	0.048	6.08	8.58	13.3	16
17	9.77	14.7	15.0	15.6	2.38	0.028	0.045	0.028	0.048	0.068	9.63	12.7	17
18	8.91	14.8	13.8	11.7	0.028	0.028	0.045	0.028	0.051	5.55	9.12	12.3	18
19	8.91	14.8	11.3	12.5	0.028	1.98	1.17	5.64	0.051	3.37	8.67	11.7	19
20	11.1	14.6	12.1	8.028	0.028	1.98	0.042	5.39	3.94	3.37	8.04	11.9	20
21	20.2	16.2	12.2	8.028	0.028	5.18	0.042	0.028	0.054	3.45	7.98	12.9	21
22	15.2	13.8	16.1	3.34	0.028	1.98	0.028	0.028	0.054	3.48	10.8	12.8	22
23	8.56	8.057	8.59	8.028	0.028	0.028	0.028	5.55	8.24	3.45	13.5	11.9	23
24	9.80	15.4	8.68	8.028	0.028	3.48	0.028	0.028	6.20	8.052	13.9	12.6	24
25	10.3	16.9	11.3	8.028	2.34	5.95	0.028	0.028	0.054	3.48	13.9	11.2	25
26	5.75	17.2	8.95	1.15	0.028	5.98	2.27	0.028	0.059	8.33	14.1	12.6	26
27	9.18	15.8	9.21	8.028	0.028	6.14	0.028	0.028	6.71	3.09	13.6	13.3	27
28	10.1	14.8	8.89	8.028	0.028	6.12	0.028	0.028	5.86	7.43	9.74	13.5	28
29	11.9		9.86	2.23	0.028	6.91	7.39	0.028	5.27	8.88	12.3	14.2	29
30	12.1		8.65	4.31	0.028	8.67	0.028	1.78	5.55	0.065	13.3	13.8	30
31	12.1		9.38		2.33		0.028	0.028		0.062		13.3	31
TOTAL	314.79	390.057	395.61	263.186	12.038	68.876	91.173	27.632	48.727	105.768	262.354	391.2	TOTAL
MEAN	10.2	13.9	12.8	8.77	0.388	2.03	2.94	0.891	1.49	3.41	8.75	12.6	MEAN
MAX	20.2	17.6	18.6	16.6	2.34	8.91	11.5	5.55	8.24	8.35	14.1	14.2	MAX
MIN	5.75	8.057	8.59	8.028	0.028	0.028	0.028	0.028	0.028	0.057	0.065	10.2	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.46
MAXIMUM DAILY, 20.2 ON JAN 21
MINIMUM DAILY, 0.028 ON APR 28
MAXIMUM INSTANTANEOUS,
40.5 AT 09:30 MST ON OCT 26

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 115 07 05 W
DRAINAGE AREA, 343 km²

REGULATED SINCE 1933

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 200	JUL	7 000
FEB	33 700	AUG	2 380
MAR	34 200	SEP	3 900
APR	22 700	OCT	9 140
MAY	1 040	NOV	22 700
JUN	5 260	DEC	33 800

TOTAL DISCHARGE, 200 000 dam³

[illegible] RIVER BELOW BARRIER DAM - STATION NO. [illegible]

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.6	16.7	16.8	11.7	9.38	10.0	25.2	5.03	5.76	12.1	14.7	10.7	1
2	6.88	17.6	21.2	12.2	6.47	10.6	27.1	5.72	5.53	6.16	8.58	10.1	2
3	8.58	17.7	19.2	12.9	8.88	15.7	25.7	5.85	5.59	8.358	8.06	10.1	3
4	11.8	16.8	19.3	10.8	11.5	23.3	25.8	5.56	5.64	5.85	7.83	13.8	4
5	11.6	16.5	18.4	11.9	13.5	22.4	26.7	0.461	3.22	9.58	6.23	13.3	5
6	9.06	16.6	19.6	11.2	9.88	21.2	24.9	0.552	0.477	9.07	6.81	15.8	6
7	8.58	17.2	18.5	17.8	7.84	20.1	22.1	5.78	0.4682	3.82	8.63	16.3	7
8	8.58	17.8	16.8	19.7	10.3	20.5	20.8	5.88	0.4695	3.83	7.38	16.7	8
9	7.83	17.8	15.6	20.2	9.38	18.6	18.5	5.52	3.12	3.83	9.38	16.5	9
10	8.58	9.33	18.5	17.6	6.86	18.8	15.6	5.49	3.59	9.86	14.4	14.4	10
11	9.86	11.3	15.1	16.5	8.498	21.8	12.4	6.85	3.98	7.85	28.2	15.8	11
12	8.58	12.7	18.8	16.6	8.395	28.2	13.2	3.88	4.33	9.63	15.3	11.8	12
13	8.58	11.7	15.5	19.9	6.26	30.9	16.6	5.61	3.78	7.83	7.88	14.2	13
14	9.86	13.1	16.9	16.9	6.34	28.8	8.37	5.74	4.77	7.83	11.3	16.1	14
15	9.86	17.7	17.3	21.2	3.85	30.9	8.78	9.79	5.09	5.38	11.3	17.3	15
16	9.86	19.4	17.6	19.6	8.377	31.8	6.34	9.17	4.85	7.83	7.83	13.5	16
17	8.63	16.9	19.1	18.4	6.88	31.7	6.58	5.59	4.55	5.38	7.83	12.5	17
18	13.3	19.6	16.8	17.9	5.25	31.8	6.37	5.88	4.33	9.86	9.86	12.5	18
19	14.7	19.6	14.7	18.8	5.54	31.5	6.65	10.5	11.8	7.83	9.81	11.6	19
20	11.8	19.2	15.5	16.7	6.51	31.4	6.16	11.3	9.67	7.85	9.86	14.4	20
21	21.8	19.6	16.1	22.5	6.21	31.5	5.47	6.73	5.63	5.95	9.38	16.1	21
22	12.5	20.4	17.9	20.3	5.49	31.6	5.59	5.72	6.26	6.33	9.63	17.8	22
23	9.34	12.8	14.8	23.8	5.78	31.3	5.28	5.63	8.85	5.95	14.7	19.3	23
24	8.58	5.76	11.5	21.5	9.15	31.8	5.35	5.74	5.79	3.48	10.8	17.4	24
25	7.93	16.2	14.8	23.3	8.75	30.6	5.51	5.58	5.63	3.96	10.8	16.8	25
26	11.9	16.4	12.1	23.6	8.63	28.5	6.448	5.44	5.48	9.34	8.58	16.3	26
27	13.9	14.8	11.8	24.5	11.4	25.9	6.84	5.62	5.58	11.9	8.58	15.6	27
28	14.7	21.1	12.6	25.9	14.3	30.6	5.78	5.73	5.33	9.86	8.78	15.5	28
29	15.6		11.8	25.4	15.4	28.9	6.88	5.74	5.33	11.6	14.2	17.8	29
30	12.5		12.8	25.5	13.2	28.8	5.58	5.61	5.69	3.48	13.9	16.8	30
31	12.3		10.8		11.9		5.88	5.94		5.66		15.6	31
TOTAL	334.83	456.57	492.7	561.2	234.898	753.5	377.420	181.563	144.405	212.870	300.28	474.4	TOTAL
MEAN	10.8	16.3	15.9	18.7	7.58	25.1	12.2	5.86	4.81	6.87	10.8	15.3	MEAN
MAX	21.8	21.1	21.2	25.9	15.4	31.8	27.1	11.2	11.8	12.1	28.2	19.3	MAX
MIN	6.88	5.76	10.8	10.8	0.377	10.0	0.448	0.452	0.477	0.558	3.83	11.6	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.4
MAXIMUM DAILY, 31.8 ON JUN 10
MINIMUM DAILY, 0.377 ON MAY 16

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 115 01 55 W
DRAINAGE AREA, 899 km²

REGULATED

MONTHLY TOTAL DISCHARGES IN CUBIC DECAMETRES

JAN	20 900	JUL	32 600
FEB	35 400	AUG	15 700
MAR	43 600	SEP	13 500
APR	48 500	OCT	18 600
MAY	20 200	NOV	25 900
JUN	65 100	DEC	41 000

TOTAL DISCHARGE, 391 000 dam³

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	BD	B	15.1	1.39	0.826	0.027	0.476E	0.035E	----	----	1
2	----	----	BD	B	14.9	1.31	0.826	0.093	0.431E	0.038E	----	----	2
3	----	----	BD	B	14.9	1.07	0.836	1.68	0.364E	0.043E	----	----	3
4	----	----	BD	B	18.7	0.966	0.834	2.52	0.316E	0.045A	----	----	4
5	----	----	BD	B	21.1	0.881	0.876	3.35	0.262E	0.042	----	----	5
6	----	----	BD	B	12.3	0.771	0.875	2.91	0.239E	0.041	----	----	6
7	----	----	BD	B	9.58	0.708	0.853	2.55	0.202E	0.046	----	----	7
8	----	----	BD	B	8.75	0.652	0.851	2.02	0.186E	0.070	----	----	8
9	----	----	BD	B	7.73	0.528	0.898	1.58	0.174E	0.082	----	----	9
10	----	----	BD	B	7.07	0.497	0.889	1.24	0.166E	0.072	----	----	10
11	----	----	BD	B	6.51	0.422	0.868	0.950	0.159E	0.078	----	----	11
12	----	----	BD	B	6.13	0.400	0.855	0.733	0.158E	0.168	----	----	12
13	----	----	BD	B	6.01	0.388	0.858	0.596	0.176E	0.166	----	----	13
14	----	----	BD	B	5.95	0.359	0.866	0.566	0.191E	0.113	----	----	14
15	----	----	BD	B	7.34	0.307	0.868	0.517	0.176E	0.101	----	----	15
16	----	----	BD	0.001B	7.88	0.284	0.856	0.479	0.164E	0.118	----	----	16
17	----	----	BD	0.003B	8.15	0.258	0.863	0.437	0.150E	0.149	----	----	17
18	----	----	BD	0.006B	7.30	0.227	0.831	0.410	0.137E	0.144	----	----	18
19	----	----	BD	0.010B	6.43	0.177	0.860	0.379	0.118E	0.139	----	----	19
20	----	----	BD	0.049B	5.60	0.147	0.851	0.333	0.106E	0.144	----	----	20
21	----	----	BD	0.630B	4.87	0.137	0.844	0.287	0.091E	0.158	----	----	21
22	----	BD	BD	1.30 B	4.38	0.088	0.831	0.234	0.079E	0.143	----	----	22
23	----	BD	BD	2.22 B	3.79	0.088	0.825	0.211A	0.070E	0.141	----	----	23
24	----	BD	BD	2.61 B	3.34	0.086	0.829	0.200E	0.059E	0.157	----	----	24
25	----	BD	BD	2.75 B	2.91	0.085	0.826	0.229E	0.053E	0.155A	----	----	25
26	----	BD	BD	5.00 B	2.57	0.061	0.836	0.390E	0.047E	0.156E	----	----	26
27	----	BD	BD	7.12 B	2.30	0.050	0.839	0.409E	0.043E	0.195E	----	----	27
28	----	BD	BD	9.25 B	1.94	0.034	0.879	0.594E	0.039E	0.156E	----	----	28
29	----		BD	11.4 B	1.70	0.026	0.861	0.618E	0.037E	0.152E	----	----	29
30	----		BD	13.5 A	1.67	0.035	0.842	0.578E	0.036E	0.150E	----	----	30
31	----		BD		1.53		0.833	0.539E		0.156E		----	31
TOTAL	----	----	0	95.839	239.05	13.295	1.548	27.451	4.875	3.486	----	----	TOTAL
MEAN	----	----	0	1.86	7.40	0.010	0.050	0.886	0.163	0.112	----	----	MEAN
MAX	----	----	0	13.5	21.1	1.39	0.898	3.35	0.476	0.168	----	----	MAX
MIN	----	----	0	0	1.53	0.025	0.025	0.027	0.036	0.035	----	----	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.37
MAXIMUM DAILY, 21.1 ON MAY 5
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
23.5 AT 01:30 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 04 00 N
LONG 117 37 20 W
DRAINAGE AREA, 704 km²
A - ESTIMATED
B - ICE CONDITIONS
E - EQUIVALENT
NATURAL FLOW

MONTHLY TOTAL DISCHARGES IN CUBIC DECAMETRES

JAN	----	JUL	136
FEB	----	AUG	2 370
MAR	0	SEP	421
APR	6 830	OCT	381
MAY	19 800	NOV	----
JUN	1 060	DEC	----

TOTAL DISCHARGE, 28 900 dam³

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.287	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.275	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.253	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0945	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0208	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0108	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.003B	0	0	0	0	0	0	---	---	7
8	---	---	0.001B	0.002B	0	0	0	0	0	0	---	---	8
9	---	---	0.002B	0.0109	0	0	0	0	0	0	---	---	9
10	---	---	0.0108	0.079	0	0	0	0	0	0	---	---	10
11	---	---	0.0208	0.241	0	0	0	0	0	0	---	---	11
12	---	---	0.0198	0.293	0	0	0	0	0	0	---	---	12
13	---	---	0.0188	0.349	0	0	0	0	0	0	---	---	13
14	---	---	0.0178	0.224	0	0	0	0	0	0	---	---	14
15	---	---	0.016B	0.186	0	0	0	0	0	0	---	---	15
16	---	---	0.015B	0.128	0	0	0	0	0	0	---	---	16
17	---	---	0.003B	0.095	0	0	0	0	0	0	---	---	17
18	---	---	0.004B	0.019	0	0	0	0	0	0	---	---	18
19	---	---	0.004B	0.009	0	0	0	0	0	0	---	---	19
20	---	---	0.0108	0.006E	0	0	0	0	0	0	---	---	20
21	---	---	0.013B	0.012	0	0	0	0	0	0	---	---	21
22	---	---	0.020B	0.006E	0	0	0	0	0	0	---	---	22
23	---	---	0.108B	0.001E	0	0	0	0	0	0	---	---	23
24	---	---	0.164	B	0	0	0	0	0	0	---	---	24
25	---	---	0.135	B	0	0	0	0	0	0	---	---	25
26	---	---	0.186	B	0	0	0	0	0	0	---	---	26
27	---	---	0.464	B	0	0	0	0	0	0	---	---	27
28	---	---	0.694	B	0	0	0	0	0	0	---	---	28
29	---		0.728	B	0	0	0	0	0	0	---	---	29
30	---		0.343	B	0	0	0	0	0	0	---	---	30
31	---		0.041		0		0	0		0		---	31
TOTAL	---	---	3.029	2.064	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.098	0.069	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.728	0.349	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.728 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 05 45 N
LONG 110 15 31 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	262	SEP	0
APR	178	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 440 dam³

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.010E	0.006	0.012	0.019	0.010	0.005	---	1
2	---	---	---	---	---	0.010E	0.006	0.015	0.018	0.009	0.005	---	2
3	---	---	---	---	---	0.010E	0.017	0.016	0.017	0.023	---	---	3
4	---	---	---	---	---	0.009E	0.248	0.014	0.017	0.015	---	---	4
5	---	---	---	---	---	0.009E	0.248	0.012	0.018	0.012	---	---	5
6	---	---	---	---	---	0.009E	0.153	0.011	0.017	0.012	---	---	6
7	---	---	---	---	---	0.008E	0.095	0.011	0.015	0.012	---	---	7
8	---	---	---	---	---	0.008E	0.076	0.010	0.014	0.012	---	---	8
9	---	---	---	---	---	0.008E	0.069	0.010	0.013	0.012	---	---	9
10	---	---	---	---	---	0.007E	0.074	0.010	0.013	0.012	---	---	10
11	---	---	---	---	---	0.007E	0.074	0.010	0.013	0.012	---	---	11
12	---	---	---	---	---	0.006A	0.068	0.010	0.013	0.012	---	---	12
13	---	---	---	---	---	0.005	0.021	0.010	0.013	0.012	---	---	13
14	---	---	---	---	---	0.004	0.018	0.010	0.013	0.011	---	---	14
15	---	---	---	---	---	0.004	0.017	0.011	0.013	0.011	---	---	15
16	---	---	---	---	---	0.004	0.017	0.011	0.013	0.011	---	---	16
17	---	---	---	---	---	0.004	0.016	0.010	0.012	0.011	---	---	17
18	---	---	---	---	---	0.003	0.015	0.010	0.012	0.011	---	---	18
19	---	---	---	---	---	0.003	0.015	0.010	0.012	0.010	---	---	19
20	---	---	---	---	---	0.003	0.015	0.010	0.012	0.010	---	---	20
21	---	---	---	---	---	0.003	0.016	0.011	0.011	0.010	---	---	21
22	---	---	---	---	---	0.004	0.016	0.020	0.011	0.010	---	---	22
23	---	---	---	---	---	0.004	0.015	0.021	0.011	0.009	---	---	23
24	---	---	---	---	---	0.004	0.015	0.021	0.011	0.009	---	---	24
25	---	---	---	---	---	0.006	0.016	0.021	0.010	0.009	---	---	25
26	---	---	---	---	---	0.006	0.017	0.019	0.010	0.008	---	---	26
27	---	---	---	---	---	0.006	0.017	0.020	0.010	0.008	---	---	27
28	---	---	---	---	---	0.007	0.016	0.023	0.010	0.007	---	---	28
29	---		---	---	---	0.006	0.016	0.021	0.010	0.007	---	---	29
30	---		---	---	---	0.005	0.025	0.020	0.010	0.006	---	---	30
31	---		---		---		0.014	0.019		0.006		---	31
TOTAL	---	---	---	---	---	0.182	1.435	0.447	0.391	0.329	---	---	TOTAL
MEAN	---	---	---	---	---	0.006	0.046	0.014	0.013	0.011	---	---	MEAN
MAX	---	---	---	---	---	0.010	0.248	0.020	0.019	0.023	---	---	MAX
MIN	---	---	---	---	---	0.003	0.004	0.010	0.010	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.248 ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 33 47 N
LONG 110 08 52 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	124
FEB	---	AUG	38.6
MAR	---	SEP	33.8
APR	---	OCT	28.4
MAY	---	NOV	---
JUN	15.7	DEC	---

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 07GA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0	0	0	0	0	0	---	1
2	---	---	---	---	---	0	0	0	0	0	---	---	2
3	---	---	---	---	---	0	0	0	0	0	---	---	3
4	---	---	---	---	---	0	0	0	0	0	---	---	4
5	---	---	---	---	---	0	0	0	0	0	---	---	5
6	---	---	---	---	---	0	0	0	0	0	---	---	6
7	---	---	---	---	---	0	0	0	0	0	---	---	7
8	---	---	---	---	---	0	0	0	0	0	---	---	8
9	---	---	---	---	---	0	0	0	0	0	---	---	9
10	---	---	---	---	---	0	0	0	0	0	---	---	10
11	---	---	---	---	---	0	0	0	0	0	---	---	11
12	---	---	---	---	---	0	0	0	0	0	---	---	12
13	---	---	---	---	---	0	0	0	0	0	---	---	13
14	---	---	---	---	---	0	0	0	0	0	---	---	14
15	---	---	---	---	---	0	0	0	0	0	---	---	15
16	---	---	---	---	---	0	0	0	0	0	---	---	16
17	---	---	---	---	---	0	0	0	0	0	---	---	17
18	---	---	---	---	---	0	0	0	0	0	---	---	18
19	---	---	---	---	---	0	0	0	0	0	---	---	19
20	---	---	---	---	---	0	0	0	0	0	---	---	20
21	---	---	---	---	---	0	0	0	0	0	---	---	21
22	---	---	---	---	---	0	0	0	0	0	---	---	22
23	---	---	---	---	---	0	0	0	0	0	---	---	23
24	---	---	---	---	---	0	0	0	0	0	---	---	24
25	---	---	---	---	---	0	0	0	0	0	---	---	25
26	---	---	---	---	---	0	0	0	0	0	---	---	26
27	---	---	---	---	---	0	0	0	0	0	---	---	27
28	---	---	---	---	---	0	0	0	0	0	---	---	28
29	---		---	---	---	0	0	0	0	0	---	---	29
30	---		---	---	---	0	0	0	0	0	---	---	30
31	---		---		---		0	0		0		---	31
TOTAL	---	---	---	---	---	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	---	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	---	---	0	0	0	0	0	---	---	MAX
MIN	---	---	---	---	---	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0 ON JUN 1
MINIMUM DAILY, 0 ON JUN 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 24 N
LONG 111 28 47 W

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	---	OCT	0
MAY	---	NOV	---
JUN	0	DEC	---

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.749	0	0	8	0.001	0.001	---	---	1
2	---	---	0B	0 B	0.510	0	0	1.63	0.001	0.001	---	---	2
3	---	---	0B	0 B	0.431	0	0	3.39	0.001	0.001	---	---	3
4	---	---	0B	0 B	0.254	0	0	1.49	0.001	0.001	---	---	4
5	---	---	0B	0 B	0.155	0	0	0.546	0.001	0	---	---	5
6	---	---	0B	0 B	0.128	0	0	0.206	0.001	0	---	---	6
7	---	---	0B	0 B	0.179	0	0	0.075	0.001	0	---	---	7
8	---	---	0B	0 B	0.124	0	0	0.035	0.001	0	---	---	8
9	---	---	0B	0 B	0.073	0	0	0.020	0.001	0	---	---	9
10	---	---	0B	0 B	0.041	0	0	0.003	0.001	0	---	---	10
11	---	---	0B	0 B	0.034	0	0	0.002	0.001	0	---	---	11
12	---	---	0B	0 B	0.028	0	0	0.002	0.001	0	---	---	12
13	---	---	0B	0 B	0.006	0	0	0.001	0.001	0	---	---	13
14	---	---	0B	0 B	0.002	0	0.026	0.001	0.001	0	---	---	14
15	---	---	0B	0.001B	0.003	0	0.361	0.001	0.001	0	---	---	15
16	---	---	0B	0.002B	0.051	0	0.173	0.001	0.001	0	---	---	16
17	---	---	0B	0.002B	0.026	0	0.443	0.001	0.001	0	---	---	17
18	---	---	0B	0.001B	0.004	0	0.056	0.001	0.001	0	---	---	18
19	---	---	0B	0.002B	0.001	0	0.004	0.001	0.001	0	---	---	19
20	---	---	0B	0.005B	0.001	0	0.001	0.001	0.001	0	---	---	20
21	---	---	0B	0.046B	0.001	0	0.001	0.001	0.001	0	---	---	21
22	---	0B	0B	0.008A	0.001	0	0.026	0.001	0	0	---	---	22
23	---	0B	0B	0.164	0.001	0	0.010	0.001	0	0	---	---	23
24	---	0B	0B	0.474	0.001	0	0.001	0.001	0	0	---	---	24
25	---	0B	0B	1.65	0.001	0	0.001	0.001	0	0	---	---	25
26	---	0B	0B	4.47	0.001	0	0	0.001	0	0	---	---	26
27	---	0B	0B	5.05	0.001	0	0	0.001	0	0	---	---	27
28	---	0B	0B	3.63	0	0	0	0.001	0	0	---	---	28
29	---		0B	2.15	0	0	0	0.001	0.001	0	---	---	29
30	---		0B	1.33	0	0	0	0.001	0.001	0	---	---	30
31	---		0B		0		0	0.001		0		---	31
TOTAL	---	---	0	18.965	2.887	0	1.101	7.418	0.023	0.004	---	---	TOTAL
MEAN	---	---	0	0.632	0.091	0	0.036	0.239	0.001	0	---	---	MEAN
MAX	---	---	0	5.05	0.749	0	0.443	3.39	0.001	0.001	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 5.05 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.34 AT 17:30 MST ON APR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 29 N
LONG 118 27 37 W
DRAINAGE AREA, 31.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	95.1
FEB	---	AUG	641
MAR	0	SEP	1.99
APR	1 640	OCT	0.35
MAY	243	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 630 dam³

[illegible] CREEK NEAR [illegible] - STATION NO. 05CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.52 B	0.670	0.297	0.188	0.035	0	0.022	---	---	1
2	---	---	0 B	2.72 B	0.641	0.286	0.162	0.106	0	0.020	---	---	2
3	---	---	0 B	2.38 B	0.619	0.273	0.173	0.109	0	0.019	---	---	3
4	---	---	0 B	1.97 B	0.605	0.261	0.175	0.198	0	0.022	---	---	4
5	---	---	0 B	1.66 B	0.581	0.252	0.188	0.124	0.094	0.029	---	---	5
6	---	---	0 B	0.7848	0.364	0.245	0.188	0.082	0.101	0.031	---	---	6
7	---	---	0 B	0.5848	0.352	0.237	0.177	0.057	0.056	0.035	---	---	7
8	---	---	0 B	0.5308	0.336	0.231	0.408	0.036	0.016	0.026	---	---	8
9	---	---	0 B	0.4848	0.325	0.228	0.326	0.018	0.004	0.018	---	---	9
10	---	---	0 B	0.4688	0.313	0.221	0.269	0.008	0	0.014	---	---	10
11	---	---	0 B	4.82 B	0.288	0.236	0.288	0.001	0	0.010	---	---	11
12	---	---	0 B	10.7	0.274	0.236	0.228	0	0	0.007	---	---	12
13	---	---	0 B	9.57	0.268	0.228	0.203	0	0	0.005	---	---	13
14	---	---	0 B	12.4	0.259	0.220	0.187	0	0	0.003	---	---	14
15	---	---	0 B	10.9	0.269	0.210	0.172	0	0 A	0.001	---	---	15
16	---	---	0 B	12.7	0.280	0.202	0.155	0	0	0	---	---	16
17	---	---	0 B	9.94	0.298	0.200	0.140	0	0	0	---	---	17
18	---	---	0 B	6.66	0.323	0.190	0.125	0	0	0	---	---	18
19	---	---	0 B	4.83	0.348	0.179	0.112	0	0	0	---	---	19
20	---	---	0 B	3.66	0.362	0.165	0.101	0	0	0	---	---	20
21	---	---	0.2008	3.03	0.341	0.154	0.088	0	0	0	---	---	21
22	---	---	1.00 B	2.54	0.338	0.137	0.080	0	0	0.043	---	---	22
23	---	---	3.48 B	2.12	0.353	0.131	0.070	0	0	0.082	---	---	23
24	---	---	1.93 B	1.65	0.336	0.138	0.061	0	0	0.108	---	---	24
25	---	---	1.42 B	1.39	0.323	0.166	0.054	0	0	0.103	---	---	25
26	---	---	1.46 B	1.17	0.327	0.160	0.047	0	0.060E	0.090	---	---	26
27	---	---	5.73 B	1.01	0.594	0.152	0.041	0	0.140E	0.080	---	---	27
28	---	---	9.28 B	0.747	0.419	0.156	0.032	0	0.249A	0.071A	---	---	28
29	---	---	8.00 B	0.588	0.386	0.151	0.025	0	0.120E	0.060E	---	---	29
30	---	---	5.60 B	0.514	0.359	0.149	0.021	0	0.026A	0.050E	---	---	30
31	---		3.30 B		0.321		0.014	0		0.040E		---	31
TOTAL	---	---	61.350	113.969	10.852	6.079	4.351	0.712	0.866	0.989	---	---	TOTAL
MEAN	---	---	1.33	3.80	0.350	0.203	0.140	0.023	0.029	0.032	---	---	MEAN
MAX	---	---	9.28	12.7	0.594	0.297	0.408	0.198	0.249	0.108	---	---	MAX
MIN	---	---	0	0.468	0.259	0.131	0.014	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.731
MAXIMUM DAILY, 12.7 ON APR 16
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
10.6 AT 04:23 MST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 40 N
LONG 112 51 30 W
DRAINAGE AREA, 2 420 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	376
FEB	---	AUG	61.5
MAR	3 570	SEP	74.8
APR	9 850	OCT	85.4
MAY	938	NOV	---
JUN	525	DEC	---

TOTAL DISCHARGE, 15 500 dam³

KYTSEAP CREEK NEAR GRAHAM - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0348	0.014	0.001	0.003	0	0	0	BA	---	1
2	---	---	0 B	0.0148	0.010	0	0.001	0	0	0	---	---	2
3	---	---	0 B	0.0098	0.007	0	0.001	0	0	0	---	---	3
4	---	---	0 B	0.0068	0.005	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0058	0.002	0.002	0.001	0	0	0	---	---	5
6	---	---	0 B	0.0048	0.001	0.051	0.003	0	0	0	---	---	6
7	---	---	0 B	0.0038	0.001	1.19	0.003	0	0	0	---	---	7
8	---	---	0 B	0.0108	0.001	0.511	0.002	0	0	0	---	---	8
9	---	---	0 B	0.1208	0.002	0.163	0.001	0	0	0	---	---	9
10	---	---	0 B	0.1008	0.002	0.033	0.001	0	0	0	---	---	10
11	---	---	0 B	0.2468	0.002	0.019	0	0	0	0	---	---	11
12	---	---	0 B	0.3208	0.002	0.016	0	0	0	0	---	---	12
13	---	---	0 B	0.3878	0.002	0.012	0	0	0	0	---	---	13
14	---	---	0 B	0.2568	0.002	0.009	0	0	0	0	---	---	14
15	---	---	0 B	0.220	0.002	0.005	0	0	0	0	---	---	15
16	---	---	0 B	0.061	0.002	0.004	0	0	0	0	---	---	16
17	---	---	0 B	0.038	0.002	0.003	0	0	0	0	---	---	17
18	---	---	0 B	0.037	0.002	0.002	0	0	0	0	---	---	18
19	---	---	0.0068	0.049	0.002	0.001	0	0	0	0	---	---	19
20	---	---	0.0128	0.037	0.002	0.001	0	0	0	0	---	---	20
21	---	---	0.0288	0.028	0.001	0.001	0	0	0	0	---	---	21
22	---	---	0.0338	0.036	0.001	0.001	0	0	0	0	---	---	22
23	---	---	0.0508	0.101	0	0.001	0	0	0	0	---	---	23
24	---	---	0.0648	0.098	0	0.001	0	0	0	0	---	---	24
25	---	---	0.0728	0.086	0	0.001	0	0	0	0	---	---	25
26	---	---	0.0868	0.035	0	0.001	0	0	0	0	---	---	26
27	---	---	0.1228	0.035	0.001	0.001	0	0	0	0	---	---	27
28	---	---	0.1048	0.030	0.001	0.001	0	0	0	0	---	---	28
29	---		0.1798	0.018	0.001	0.002	0	0	0	0	---	---	29
30	---		0.1868	0.016	0.001	0.007	0	0	0	0		---	30
31	---		0.0888		0.001		0	0		0		---	31
TOTAL	---	---	1.884	2.507	0.072	2.822	0.916	0	0	0	---	---	TOTAL
MEAN	---	---	0.036	0.084	0.002	0.094	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.186	0.387	0.014	1.19	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.036
MAXIMUM DAILY, 1.19 ON JUN 7
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.70 AT 15:30 MST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 55 N
LONG 113 35 25 W
DRAINAGE AREA, 101 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.38
FEB	---	AUG	0
MAR	99.2	SEP	0
APR	217	OCT	0
MAY	6.22	NOV	---
JUN	294	DEC	---

TOTAL DISCHARGE, 559 dam³

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	3.59	6.79	8.36	1.55	0.300E	---	---	1
2	---	---	---	---	0	4.68	6.12	8.77	1.61	0.300E	---	---	2
3	---	---	---	---	0	4.49	6.17	8.62	1.48	0.300E	---	---	3
4	---	---	---	---	0	5.25	6.28	8.65	1.08	0.300E	---	---	4
5	---	---	---	---	0	5.69	5.97	8.04	1.53	0.300E	---	---	5
6	---	---	---	---	0	5.88	5.53	7.63	1.52	0.300E	---	---	6
7	---	---	---	---	0	5.56	5.59	7.65	1.65	0.300E	---	---	7
8	---	---	---	---	0	4.28	5.59	7.37	1.69	0.300E	---	---	8
9	---	---	---	---	0	4.08	6.08	6.78	1.08	0.300E	---	---	9
10	---	---	---	---	0	4.02	6.05	6.27	2.11	0.300E	---	---	10
11	---	---	---	---	0	3.36	5.94	6.05	2.12	0.300E	---	---	11
12	---	---	---	---	0	2.96	6.16	4.99	2.22	0.300E	---	---	12
13	---	---	---	---	0	3.91	7.15	3.93	2.24	0.300E	---	---	13
14	---	---	---	---	0	3.33	8.08	4.04	3.59	0.300E	---	---	14
15	---	---	---	---	0	4.30	8.34	4.08	3.01	0.200E	---	---	15
16	---	---	---	---	0	5.20	8.89	3.83	3.10	0	---	---	16
17	---	---	---	---	1.50 E	5.95	9.23	3.83	3.14	0	---	---	17
18	---	---	---	---	2.60	6.35	9.34	3.58	3.22	0	---	---	18
19	---	---	---	---	2.63	6.84	9.64	3.78	3.16	0	---	---	19
20	---	---	---	---	1.96	6.65	9.81	3.34	3.35	0	---	---	20
21	---	---	---	---	1.00 E	5.84	10.2	3.56	3.88	0	---	---	21
22	---	---	---	---	0.500E	5.18	11.5	3.58	3.83	0	---	---	22
23	---	---	---	---	0.500E	5.59	12.2	3.32	4.05	0	---	---	23
24	---	---	---	---	0.500E	6.00	12.8	2.95	4.19	0	---	---	24
25	---	---	---	---	1.00 E	6.19	11.5	3.07	4.12	0	---	---	25
26	---	---	---	---	2.60	6.37	11.2	2.91	4.09	0	---	---	26
27	---	---	---	---	2.70	6.48	10.9	2.81	4.00	0	---	---	27
28	---	---	---	---	2.50	6.71	10.5	2.69	5.10	0	---	---	28
29	---		---	---	2.32	6.96	10.2	2.51	3.74	0	---	---	29
30	---		---	---	2.39	7.29	9.56	2.38	1.38	0	---	---	30
31	---		---		2.91		8.44	1.82		0		---	31
TOTAL	---	---	---	---	27.510	157.76	260.93	188.05	83.31	3.000	---	---	TOTAL
MEAN	---	---	---	---	0.887	5.26	8.42	6.78	2.78	0.097	---	---	MEAN
MAX	---	---	---	---	2.91	7.29	12.2	8.77	5.10	0.300	---	---	MAX
MIN	---	---	---	---	0	2.91	5.53	1.82	1.38	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 12.2 ON JUL 23
MINIMUM DAILY, 0 ON MAY 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 00 N
LONG 113 11 00 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 500
FEB	---	AUG	13 000
MAR	---	SEP	7 200
APR	---	OCT	230
MAY	2 380	NOV	---
JUN	13 600	DEC	---

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.444B	0.533B	0.978B	9.53	7.10	0.520E	---	1.28 A	---	2.76B	1.38B	1
2	---	0.444B	0.540B	0.980B	9.30	7.06	0.490E	---	1.08	---	2.55B	1.38B	2
3	---	0.444B	0.546B	0.980B	8.80	6.53	0.470E	---	0.867	---	2.40B	1.37B	3
4	---	0.444B	0.553B	0.982B	8.35	6.19	0.450E	1.13 A	0.735	---	2.30B	1.37B	4
5	---	0.444B	0.560B	0.987B	7.82	5.38	0.430E	1.06	0.660	3.65A	2.25B	1.36B	5
6	---	0.444B	0.570B	0.997B	7.59	4.82	0.410E	0.964	0.937	4.32	2.15B	1.35B	6
7	---	0.444B	0.580B	1.01 B	8.44	3.88	0.405A	0.937	1.36	4.51	2.08B	1.34B	7
8	---	0.444B	0.587B	1.03 B	8.61	3.13	0.362	1.02	1.63	3.34	1.85B	1.33B	8
9	---	0.444B	0.594B	1.08 B	8.48	4.03	0.330	1.05	---	3.02	1.88B	1.33B	9
10	---	0.444B	0.602B	1.16 B	8.36	4.14	0.311	1.26	---	3.29	1.75B	1.32B	10
11	---	0.444B	0.610B	1.28 B	8.26	3.79	0.277	---	---	3.33	1.70B	1.30B	11
12	---	0.444B	0.620B	1.38 B	8.16	3.42	0.248	---	---	2.93	1.67B	1.29B	12
13	---	0.444B	0.632B	1.56 B	8.06A	3.10	0.235	---	---	3.11	1.68B	1.28B	13
14	---	0.444B	0.644B	1.70 B	8.00E	2.65	0.238	---	---	2.97	1.60B	1.27B	14
15	---	0.444B	0.660B	1.88 B	8.02E	2.17	---	---	---	2.56	1.56B	1.27B	15
16	---	0.450B	0.690B	2.10 B	8.01E	1.50	---	---	---	2.40B	1.54B	1.26B	16
17	---	0.455B	0.710B	2.30 B	8.00E	1.30	---	---	---	2.30B	1.52B	1.25B	17
18	---	0.460B	0.730B	2.55 B	8.00E	1.31	---	---	---	2.20B	1.50B	1.24B	18
19	---	0.465B	0.780B	2.80 B	8.00E	1.12	---	---	---	2.20B	1.49B	1.23B	19
20	---	0.470B	0.820B	3.30 B	8.00E	1.01	---	---	---	2.30B	1.48B	1.22B	20
21	---	0.475B	0.860B	3.70 B	7.99E	0.953	---	---	---	2.50B	1.47B	1.21B	21
22	---	0.480B	0.900B	4.30 B	7.97E	0.837	---	---	---	2.70B	1.46B	1.20B	22
23	---	0.487B	0.930B	5.00 B	7.96E	0.790E	---	---	---	2.80B	1.46B	1.19B	23
24	---	0.494B	0.938B	6.10 B	7.95E	0.750E	---	---	---	2.85B	1.45B	1.17B	24
25	---	0.500B	0.945B	7.25 B	7.94	0.710E	---	---	---	3.00B	1.43B	1.15B	25
26	---	0.507B	0.950B	10.1 B	8.13	0.670E	---	---	---	3.09B	1.42B	1.13B	26
27	---	0.516B	0.955B	8.90 B	7.86	0.640E	---	---	---	3.09B	1.41B	1.11B	27
28	---	0.525B	0.960B	8.50 B	7.91	0.600E	---	---	---	3.00B	1.40B	1.09B	28
29	---		0.963B	8.27 B	7.79	0.570E	---	---	---	2.95B	1.40B	1.07B	29
30	---		0.960B	9.30	7.73	0.550E	---	---	---	2.85B	1.39B	1.04B	30
31	---		0.973B		7.62		---	---	---	2.80B		1.00B	31
TOTAL	---	12.944	22.913	183.434	252.46	84.188	---	---	---	---	51.83	38.50	TOTAL
MEAN	---	0.462	0.739	3.91	8.14	2.80	---	---	---	---	1.73	1.24	MEAN
MAX	---	0.525	0.973	10.1	9.53	7.10	---	---	---	---	2.76	1.38	MAX
MIN	---	0.444	0.533	0.978	7.62	0.550	---	---	---	---	1.39	1.00	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 10 N
LONG 112 30 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	1 120	AUG	---
MAR	1 980	SEP	---
APR	8 850	OCT	---
MAY	21 800	NOV	4 000
JUN	7 270	DEC	3 330

LAC LA BICHE AT LAC LA BICHE - STATION NO. 07CA004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	543.136	---	---	543.239	543.219	543.229	543.239	543.209	---	---	1
2	---	---	---	---	---	543.239	543.209	543.229	---	---	---	---	2
3	---	---	---	---	---	543.239	543.209	543.229	---	543.209	---	---	3
4	---	---	---	---	---	543.239	543.209	543.229	543.239	---	---	---	4
5	---	---	---	---	---	543.239	543.209	543.229	543.239	---	---	---	5
6	---	---	---	---	---	543.239	543.209	543.229	543.229	543.209	---	---	6
7	---	---	---	---	---	543.239	543.209	543.229	---	---	---	---	7
8	---	---	---	---	---	543.239	543.209	543.229	543.229	---	---	---	8
9	---	---	---	---	---	543.232	543.209	543.229	---	543.209	---	---	9
10	---	---	---	---	---	543.239	543.209	543.239	---	---	---	---	10
11	---	---	---	---	---	543.239	543.209	543.239	543.229	543.209	---	---	11
12	---	---	---	---	---	543.239	543.209	543.239	---	543.189	---	---	12
13	---	---	---	---	543.189	543.229	543.209	543.239	543.229	543.189	---	---	13
14	---	---	---	---	---	543.229	543.209	543.239	543.239	543.189	---	---	14
15	---	---	---	---	---	543.229	543.209	543.239	---	543.179	---	---	15
16	---	---	---	---	543.259	543.229	543.209	543.239	543.229	543.159	---	---	16
17	---	---	---	---	543.259	543.229	543.209	543.239	543.229	543.149	---	---	17
18	---	---	---	---	543.259	543.229	543.209	543.229	543.219	543.149	---	---	18
19	---	---	---	---	543.259	543.229	543.209	543.239	---	543.139	---	---	19
20	---	---	---	---	543.259	543.229	543.209	543.239	543.219	543.139	---	---	20
21	---	---	---	---	543.259	543.229	543.209	543.239	---	543.129	---	---	21
22	---	---	---	---	543.259	543.229	543.209	---	543.219	543.119	---	---	22
23	---	---	---	---	543.259	543.229	543.209	543.239	---	543.109	---	---	23
24	---	---	---	---	543.259	543.229	543.209	543.239	543.219	543.109	---	---	24
25	---	---	---	---	543.249	543.229	543.209	---	543.219	543.089	---	---	25
26	---	---	---	---	543.249	543.219	543.209	543.239	---	543.072	---	---	26
27	---	---	---	---	543.249	543.219	543.209	543.239	543.219	543.079	---	---	27
28	---	---	---	---	543.249	543.219	---	---	543.209	543.069	---	---	28
29	---		---	---	543.249	543.219	543.209	543.239	---	543.059	---	---	29
30	---		---	---	543.249	543.219	543.209	543.239	543.209	543.059	---	---	30
31	---		---		543.249		543.209	543.239		543.059		---	31
MEAN	---	---	---	---	---	543.231	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	543.239	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	543.219	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 46 30 N
LONG 111 58 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAC LA BOSSE AT LAC LA BOSSE - STATION NO. 07BB007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.945E	0.834	0.690	0.730	0.680	0.590	0.534	---	1
2	---	---	---	---	0.945	0.835	0.710	0.730	0.680	0.590	---	---	2
3	---	---	---	---	0.938	0.810	0.760	0.730	0.680	0.590	---	---	3
4	---	---	0.524	---	0.905	0.810	0.760	0.725	0.675	0.590	---	---	4
5	---	---	---	---	0.937E	0.800	0.800	0.710	0.680	0.570	---	---	5
6	---	---	---	---	0.928E	0.800	0.800	0.710	0.680	0.576	---	---	6
7	---	---	---	---	0.920	0.805	0.800	0.700	0.670	0.560	---	---	7
8	---	---	---	---	0.920	0.800	0.802	0.700	0.660	0.560	---	---	8
9	---	---	---	---	0.920	0.795	0.800	0.700	0.660	0.560	---	---	9
10	---	---	---	---	0.920	0.790	0.800	0.700	0.660	0.560	---	---	10
11	---	---	---	---	0.910	0.785	0.800	0.710	0.650	0.560	---	---	11
12	---	---	---	---	0.910	0.780	0.800	0.710	0.650	0.560	---	---	12
13	---	---	---	---	0.900	0.770	0.800	0.730	0.650	0.550	---	---	13
14	---	---	---	---	0.900	0.760	0.810	0.710	0.645	0.550	---	---	14
15	---	---	---	---	0.895	0.760	0.820	0.710	0.645	0.550	---	---	15
16	---	---	---	---	0.895	0.760	0.810	0.710	0.640	0.550	---	---	16
17	---	---	---	---	0.895	0.755	0.800	0.700	0.640	0.550	---	---	17
18	---	---	---	---	0.900	0.750	0.790	0.700	0.640	0.550	---	---	18
19	---	---	---	---	0.900	0.740	0.780	0.680	0.640	0.550	---	---	19
20	---	---	---	---	0.900	0.735	0.780	0.680	0.630	0.550	---	---	20
21	---	---	---	---	0.900	0.735	0.780	0.680	0.630	0.550	---	---	21
22	---	---	---	---	0.890	0.730	0.780	0.660	0.630	0.550	---	---	22
23	---	---	---	---	0.890	0.710	0.775	0.660	0.610	0.550	---	---	23
24	---	---	---	---	0.890	0.705	0.770	0.660	0.610	0.550	---	---	24
25	---	---	---	---	0.885	0.705	0.770	0.660	0.610	0.550	---	---	25
26	---	---	---	---	0.880	0.700	0.770	0.660	0.610	0.550	---	---	26
27	---	---	---	---	0.880	0.700	0.770	0.670	0.610	0.550	---	---	27
28	---	---	---	---	0.880	0.700	0.760	0.670	0.610	0.550	---	---	28
29	---		---	---	0.880	0.690	0.750	0.660	0.605	0.550	---	---	29
30	---		---	---	0.880	0.690	0.750	0.603	0.590	0.550	---	---	30
31	---		---		0.835		0.740	0.685		0.550		---	31
MEAN	---	---	---	---	0.900	0.738	0.779	0.693	0.642	0.559	---	---	MEAN
MAX	---	---	---	---	0.945	0.835	0.820	0.730	0.680	0.590	---	---	MAX
MIN	---	---	---	---	0.835	0.690	0.690	0.660	0.590	0.550	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 56 41 N
LONG 110 16 43 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAC DES ARCS AT ALBERTA BEACH - STATION NO. 05BA004

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	733.017	732.897	---	733.107	732.907	---	---	1
2	---	---	---	---	---	733.007	---	---	733.107	---	---	---	2
3	---	---	---	---	---	733.007	---	---	733.107	732.907	---	---	3
4	---	---	733.767	---	---	---	---	733.159	733.107	732.907	---	---	4
5	---	---	---	---	---	---	---	---	733.097	---	---	---	5
6	---	---	---	---	---	---	732.987	---	733.097	732.976	---	---	6
7	---	---	---	---	---	733.007	733.007	733.157	733.097	732.967	---	---	7
8	---	---	---	---	---	---	733.107	733.167	733.097	---	---	---	8
9	---	---	---	---	---	732.997	733.137	733.157	733.097	732.957	---	---	9
10	---	---	---	---	---	732.997	733.137	733.157	733.097	732.957	---	---	10
11	---	---	---	---	---	732.997	733.167	---	---	---	---	---	11
12	---	---	---	---	---	733.007	733.167	733.157	---	732.957	---	---	12
13	---	---	---	---	---	733.007	733.167	733.157	733.097	732.957	---	---	13
14	---	---	---	---	---	733.007	733.167	---	733.077	732.957	---	---	14
15	---	---	---	---	---	732.987	733.157	733.147	733.067	---	---	---	15
16	---	---	---	---	---	732.977	733.157	733.147	733.057	732.947	---	---	16
17	---	---	---	---	---	732.967	733.167	733.137	733.047	---	---	---	17
18	---	---	---	---	---	732.957	733.167	---	733.047	---	---	---	18
19	---	---	---	---	---	732.957	---	733.136	733.037	732.937	---	---	19
20	---	---	---	---	---	732.947	733.167	733.137	733.037	732.937	---	---	20
21	---	---	---	---	---	732.947	---	733.127	733.037	732.937	---	---	21
22	---	---	---	---	---	---	---	733.127	733.027	732.927	---	---	22
23	---	---	---	---	---	732.937	---	733.127	733.027	732.927	---	---	23
24	---	---	---	---	---	732.935	733.167	---	---	732.927	---	---	24
25	---	---	---	---	---	732.917	733.167	733.117	733.017	732.927	---	---	25
26	---	---	---	---	---	732.917	733.167	733.117	---	732.927	---	---	26
27	---	---	---	---	---	732.917	733.167	---	733.007	732.917	---	---	27
28	---	---	---	---	---	732.907	733.177	733.117	733.007	732.917	---	---	28
29	---		---	---	---	732.907	733.177	---	---	732.917	---	---	29
30	---		---	---	---	732.897	733.177	733.117	---	732.907	---	---	30
31	---		---		733.027		733.177	733.107		732.907		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 40 40 N
LONG 114 21 30 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	5.37	0.805	0.666	0.099	0.016	0.035	---	---	1
2	---	---	0B	0 B	5.73	0.868	0.666	0.011	0.014	0.037	---	---	2
3	---	---	0B	0 B	6.03	0.917	0.666	0.012	0.011	0.039	---	---	3
4	---	---	0B	0 B	5.76	0.716	0.666	0.015	0.012	0.038	---	---	4
5	---	---	0B	0 B	5.48	0.612	0.882	0.012	0.012	0.039	---	---	5
6	---	---	0B	0 B	5.02	0.565	0.883	0.016	0.016	0.037	---	---	6
7	---	---	0B	0 B	4.36	0.399	0.885	0.016	0.015	0.037	---	---	7
8	---	---	0B	0 B	3.69	0.261	0.886	0.014	0.015	0.032	---	---	8
9	---	---	0B	0 B	3.38	0.188	0.888	0.012	0.018	0.038	---	---	9
10	---	---	0B	0 B	2.79	0.092	0.888	0.013	0.018	0.027	---	---	10
11	---	---	0B	0 B	2.34	0.110	0.810	0.016	0.017	0.028	---	---	11
12	---	---	0B	0 B	2.02	0.090	0.811	0.015	0.018	0.026	---	---	12
13	---	---	0B	0.0018	1.88	0.079	0.818	0.014	0.019	0.026	---	---	13
14	---	---	0B	0.0138	1.84	0.073	0.811	0.012	0.020	0.025	---	---	14
15	---	---	0B	0.0138	1.86	0.072	0.811	0.012	0.021	0.025	---	---	15
16	---	---	0B	0.0198	2.39	0.112	0.811	0.012	0.032	0.038	---	---	16
17	---	---	0B	0.0288	2.53	0.088	0.811	0.012	0.034	0.037	---	---	17
18	---	---	0B	0.0318	2.96	0.058	0.811	0.013	0.033	0.037	---	---	18
19	---	---	0B	0.0358	3.35	0.048	0.811	0.015	0.036	0.053	---	---	19
20	---	---	0B	0.0768	3.35	0.044	0.818	0.016	0.036	0.072	---	---	20
21	---	---	0B	0.0948	3.05	0.036	0.889	0.015	0.037	0.072	---	---	21
22	---	---	0B	0.0778	2.65	0.033	0.888	0.014	0.038	0.073	---	---	22
23	---	---	0B	2.10 B	2.33	0.019	0.889	0.015	0.038	0.081	---	---	23
24	---	---	0B	2.61 B	2.08	0.016	0.889	0.015	0.038	0.081	---	---	24
25	---	---	0B	3.83 B	1.79	0.015	0.811	0.013	0.038	0.076	---	---	25
26	---	---	0B	3.35 B	1.66	0.012	0.813	0.012	0.037	0.1198	---	---	26
27	---	---	0B	0.34 B	1.48	0.009	0.810	0.012	0.037	0.1568	---	---	27
28	---	---	0B	0.44 B	1.36	0.008	0.888	0.013	0.037	0.1588	---	---	28
29	---		0B	0.33	1.25	0.006	0.887	0.013	0.036	0.1498	---	---	29
30	---		0B	0.25	1.18	0.000	0.887	0.013	0.034	0.1588	---	---	30
31	---		0B		0.986		0.888	0.014		0.1388		---	31
TOTAL	---	---	0	35.386	91.586	6.171	8.261	0.413	0.837	1.851	---	---	TOTAL
MEAN	---	---	0	1.18	2.95	0.206	0.888	0.013	0.031	0.060	---	---	MEAN
MAX	---	---	0	6.44	6.03	0.895	0.913	0.016	0.038	0.156	---	---	MAX
MIN	---	---	0	0	0.986	0.006	0.862	0.009	0.011	0.025	---	---	MIN

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.586
MAXIMUM DAILY, 6.440 ON APR 30
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.30 AT 10:15 MST ON APR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 40 N
LONG 115 05 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22.6
FEB	---	AUG	10.7
MAR	0	SEP	21.2
APR	3 059	OCT	160
MAY	7 910	NOV	---
JUN	533	DEC	---

TOTAL DISCHARGE, 11 880 dam³

LAKE ATHABASCA NEAR [illegible] - STATION NO. 07CC009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1308.38	1305.15	1302.88	1298.68	1288.55	1288.02	1301.83	1310.38	1317.19	1319.72	1318.29	1315.67	1
2	1308.08	1305.08	1301.92	1298.58	1288.37	1288.08	1302.11	1310.07	1317.28	1319.72	1318.38	1315.58	2
3	1307.93	1304.97	1301.78	1298.31	1288.19	1288.38	1302.38	1311.01	1317.59	1319.72	1318.16	1315.48	3
4	1307.77	1304.88	1301.59	1298.18	1288.03	1288.55	1302.72	1311.38	1317.82	1319.72	1318.03	1315.39	4
5	1307.65	1304.79	1301.44	1298.05	1288.01	1289.01	1303.08	1311.69	1318.33	1319.69	1317.99	1315.27	5
6	1307.67	1304.67	1301.35	1298.78	1289.48	1290.19	1303.08	1311.68	1318.47	1319.66	1317.82	1315.18	6
7	1307.58	1304.57	1301.19	1299.49	1290.26	1290.36	1303.36	1311.82	1318.63	1319.63	1317.68	1315.09	7
8	1307.38	1304.51	1300.95	1299.22	1290.68	1290.69	1303.68	1312.16	1318.87	1319.57	1317.55	1314.97	8
9	1306.98	1304.42	1300.76	1299.00	1290.82	1290.61	1303.98	1312.56	1319.16	1319.54	1317.71	1314.88	9
10	1306.89	1304.38	1300.58	1298.76	1288.68	1290.89	1303.72	1312.76	1319.42	1319.48	1317.59	1314.80	10
11	1306.83	1304.18	1300.48	1298.58	1288.42	1291.13	1303.88	1313.08	1319.48	1319.42	1317.53	1314.79	11
12	1306.76	1304.09	1300.25	1298.38	1288.33	1291.59	1304.03	1313.38	1319.51	1319.39	1317.44	1314.69	12
13	1306.68	1303.98	1300.09	1298.12	1288.18	1292.15	1304.16	1313.58	1319.57	1319.33	1317.35	1314.60	13
14	1306.58	1303.87	1299.91	1297.99	1287.99	1292.58	1304.38	1313.78	1319.68	1319.28	1317.25	1314.51	14
15	1306.53	1303.75	1299.73	1297.81	1287.81	1293.72	1304.68	1313.99	1319.57	1319.28	1317.16	1314.39	15
16	1306.48	1303.66	1299.55	1293.57	1287.78	1294.42	1304.78	1314.18	1319.57	1319.28	1317.04	1314.28	16
17	1306.38	1303.54	1299.39	1293.33	1287.78	1295.08	1305.08	1314.38	1319.68	1319.17	1316.95	1314.18	17
18	1306.28	1303.45	1299.21	1293.11	1287.84	1295.67	1305.21	1314.56	1319.68	1319.14	1316.86	1314.05	18
19	1306.18	1303.33	1299.06	1292.98	1287.98	1296.25	1305.55	1314.72	1319.68	1319.11	1316.77	1313.93	19
20	1306.13	1303.28	1298.87	1292.69	1287.84	1296.89	1306.01	1314.91	1319.68	1319.05	1316.68	1313.84	20
21	1306.08	1303.28	1298.69	1292.44	1287.98	1297.56	1306.48	1315.09	1319.51	1318.99	1316.58	1313.73	21
22	1305.95	1303.11	1298.51	1292.36	1288.03	1298.33	1306.98	1315.38	1319.57	1318.93	1316.49	1313.57	22
23	1305.95	1302.99	1298.33	1292.11	1288.15	1298.91	1307.38	1315.68	1319.68	1318.98	1316.49	1313.41	23
24	1305.89	1302.87	1298.14	1291.93	1288.21	1299.38	1307.88	1315.88	1319.68	1318.84	1316.28	1313.33	24
25	1305.78	1302.73	1297.96	1291.74	1288.42	1299.73	1307.84	1315.83	1319.68	1318.78	1316.19	1313.08	25
26	1305.67	1302.56	1297.81	1291.56	1288.68	1300.08	1308.18	1316.03	1319.69	1318.75	1316.10	1312.93	26
27	1305.61	1302.38	1297.63	1291.41	1288.63	1300.53	1308.45	1316.22	1319.72	1318.66	1316.00	1312.83	27
28	1305.52	1302.23	1297.41	1291.19	1288.63	1300.89	1308.75	1316.43	1319.75	1318.60	1315.94	1312.71	28
29	1305.42		1297.26	1290.98	1288.57	1301.19	1309.09	1316.64	1319.75	1318.53	1315.85	1312.62	29
30	1305.34		1297.05	1290.77	1288.54	1301.53	1309.45	1316.83	1319.75	1318.44	1315.76	1312.59	30
31	1305.25		1296.86		1288.63		1309.88	1317.01		1318.38		1312.53	31
MEAN	1306.53	1303.88	1299.53	1293.68	1288.63	1294.55	1305.38	1313.96	1319.18	1319.18	1317.07	1314.16	MEAN
MAX	1308.38	1305.15	1302.88	1298.68	1290.55	1301.53	1309.88	1317.01	1319.75	1319.72	1318.29	1315.67	MAX
MIN	1305.25	1302.23	1296.86	1290.77	1287.78	1288.69	1301.83	1310.38	1317.19	1318.38	1315.76	1312.53	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 1306.33
MAXIMUM DAILY, 1319.75 ON SEP 28
MINIMUM DAILY, 1287.78 ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 28 N
LONG 116 19 02 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1972

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT BUSTARD ISLAND - STATION NO. 07HD002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	208.033	----	----	----	----	208.974	----	209.088	208.983	208.676	208.315	1
2	----	208.036	----	----	----	----	208.986	----	209.105	208.954	208.665	208.305	2
3	----	208.042	----	----	----	----	----	----	209.057	208.928	208.677	208.555	3
4	----	208.069	----	----	----	----	----	----	209.053	208.909	208.589	208.556	4
5	----	----	----	----	----	----	----	----	209.082	208.861	208.618	208.524	5
6	----	----	----	----	----	----	----	----	209.082	208.886	208.668	208.508	6
7	----	----	----	----	----	----	----	----	208.998	208.909	208.669	208.511	7
8	----	----	208.063	----	----	----	----	----	208.981	208.868	208.647	208.551	8
9	----	----	----	----	----	----	----	----	209.036	208.856	208.594	208.514	9
10	----	----	----	----	----	----	----	----	209.113	208.863	208.625	208.536	10
11	----	----	----	----	----	----	----	----	208.858	208.762	208.592	208.541	11
12	208.098	----	----	----	----	----	----	209.194	208.888	208.837	208.683	208.552	12
13	----	----	----	----	208.585	----	----	209.071	208.837	208.828	208.596	208.553	13
14	----	----	----	----	----	----	----	209.081	208.901	208.851	208.648	208.549	14
15	----	----	----	----	----	----	----	209.161	208.833	208.872	208.689	208.567	15
16	----	----	----	----	----	----	----	209.161	208.851	208.133	208.618	208.583	16
17	----	----	----	----	----	----	----	209.151	208.811	208.088	208.641	208.528	17
18	----	----	----	----	----	----	----	209.079	208.811	208.746	208.583	208.516	18
19	----	----	----	208.136	----	208.089	----	209.075	208.888	208.689	208.631	208.539	19
20	----	----	----	----	----	208.953	----	209.108	209.004	208.782	208.612	208.535	20
21	----	----	----	----	----	208.093	----	209.118	208.984	208.837	208.572	208.549	21
22	----	----	208.078	----	----	208.038	----	209.096	209.018	208.860	208.556	208.555	22
23	----	----	----	----	----	208.065	----	209.118	209.037	208.878	208.588	208.517	23
24	----	208.028	----	----	----	208.059	----	209.077	208.988	208.881	208.537	208.526	24
25	208.072	----	----	----	----	208.085	----	209.035	208.988	208.784	208.534	208.508	25
26	208.058	----	----	----	----	208.083	208.096	209.059	209.032	208.788	208.588	208.587	26
27	208.038	----	----	----	----	208.917	----	209.133	209.018	208.772	208.588	208.588	27
28	208.047	----	----	----	----	208.934	----	209.125	209.017	208.776	208.552	208.483	28
29	208.062		----	----	----	208.952	----	209.079	208.983	208.691	208.585	208.498	29
30	208.062		----	----	----	208.884	----	209.089	208.983	208.717	208.569	208.493	30
31	208.039		----		----		----	209.046		208.731		208.488	31
MEAN	----	----	----	----	----	----	----	----	209.018	208.826	208.683	208.537	MEAN
MAX	----	----	----	----	----	----	----	----	209.112	208.133	208.677	208.587	MAX
MIN	----	----	----	----	----	----	----	----	208.858	208.681	208.534	208.488	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 55 N
LONG 110 46 40 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC DATUM OF CANADA DATUM

LAKE ATHABASCA AT FORT CHIPEWYAN - STATION NO. 07MD001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	207.790	207.227	206.491	207.690	208.905	208.961	209.120	208.937	208.820	208.586	208.459	1
2	---	207.771	207.203	206.536	207.909	208.719	208.961	209.173	208.965	208.893	208.621	208.483	2
3	---	207.759	---	206.522	208.060	208.813	209.083	209.127	208.959	208.895	208.678	208.599	3
4	---	207.760	---	206.513	208.087	208.800	209.110	209.181	208.981	208.815	208.575	208.510	4
5	208.011	207.756	---	206.495	208.155	208.781	208.980	209.085	208.904	208.705	208.573	208.409	5
6	---	207.702	---	206.445	208.232	208.835	208.926	209.077	208.968	208.800	208.620	208.465	6
7	---	207.685	---	206.611	208.293	208.909	208.816	209.039	208.690	208.667	208.603	208.486	7
8	---	207.666	206.807	206.616	208.336	208.767	208.843	209.073	208.871	208.806	208.609	208.509	8
9	---	207.671	206.703	206.960	208.435	208.760	208.887	209.067	208.966	208.796	208.559	208.474	9
10	---	207.654	206.716	206.574	208.486	208.781	208.941	209.075	209.048	208.813	208.564	208.407	10
11	---	207.635	206.727	206.601	208.661	208.898	208.909	209.050	208.619	208.638	208.536	208.401	11
12	---	207.606	206.618	206.590	208.650	208.935	209.006	209.011	209.003	208.702	208.532	208.493	12
13	---	207.619	206.636	206.633	208.670	208.933	208.983	208.985	208.957	208.756	208.518	208.401	13
14	---	207.629	206.595	206.665	---	208.869	209.043	208.983	208.755	208.796	208.571	208.404	14
15	---	207.633	206.565	206.671	---	208.799	209.078	209.109	208.936	208.865	208.537	208.401	15
16	---	207.678	206.515	206.636	---	208.907	209.078	209.139	208.991	209.301	208.502	208.449	16
17	---	207.613	206.546	206.649	---	208.837	209.001	209.117	208.901	208.884	208.538	208.431	17
18	---	207.575	206.538	206.595	---	208.861	208.889	208.907	208.933	208.651	208.479	208.433	18
19	---	207.508	206.521	206.557	---	208.830	208.895	208.969	208.931	208.573	208.531	208.431	19
20	---	207.547	206.480	206.603	---	208.985	208.836	209.024	208.922	208.766	208.500	208.418	20
21	---	207.505	206.465	206.606	---	208.870	209.087	209.051	208.919	208.814	208.465	208.433	21
22	---	207.500	206.490	206.617	---	208.756	209.159	209.007	208.950	208.857	208.445	208.446	22
23	---	207.460	206.413	206.672	---	208.824	209.055	209.006	208.970	208.590	208.468	208.411	23
24	---	207.430	206.361	206.701	---	208.806	209.044	208.951	208.910	208.783	208.452	208.420	24
25	207.890	207.372	206.414	206.745	---	208.816	209.049	208.874	208.902	208.755	208.444	208.392	25
26	207.926	207.357	206.507	206.831	---	208.837	209.049	208.927	208.975	208.770	208.483	208.393	26
27	207.862	207.391	206.542	206.906	---	208.901	209.032	209.056	208.963	208.604	208.480	208.383	27
28	207.860	207.286	206.419	207.006	---	208.939	209.022	209.060	208.906	208.696	208.496	208.373	28
29	207.853		206.462	207.194	208.750	208.966	209.122	208.986	208.901	208.544	208.515	208.380	29
30	207.854		206.445	207.330	208.781	208.785	209.056	209.000	208.844	208.638	208.499	208.373	30
31	207.819		206.432		208.754		209.189	208.954		208.668		208.360	31
MEAN	---	207.595	---	206.654	---	208.839	208.997	209.057	208.925	208.774	208.530	208.443	MEAN
MAX	---	207.790	---	207.330	---	208.985	209.189	209.372	209.065	209.301	208.638	208.510	MAX
MIN	---	207.286	---	206.411	---	208.719	208.807	208.874	208.619	208.540	208.444	208.360	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.372 ON AUG 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 42 40 N
LONG 111 08 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.264	208.215	208.193	208.644	208.845	208.703	208.776	208.843	208.738	208.655	---	1
2	---	208.264	---	208.196	208.630	208.903	208.729	208.807	208.742	208.729	208.656	---	2
3	---	208.262	208.367	208.200	208.673	208.859	208.693	208.835	208.861	208.705	208.650	---	3
4	---	208.265	208.312	208.202	208.737	208.938	208.722	208.836	208.781	208.704	208.631	---	4
5	---	208.264	208.252	208.203	208.749	208.935	208.761	208.879	208.750	208.712	208.634	---	5
6	---	208.262	208.221	208.207	208.695	208.850	208.751	208.842	208.760	208.658	208.634	---	6
7	---	208.263	208.214	208.209	208.736	208.838	208.775	208.867	208.935	208.683	208.630	---	7
8	---	208.255	208.211	208.205	208.744	208.917	208.758	208.828	208.866	208.735	208.626	---	8
9	---	208.254	208.199	208.210	208.788	208.936	208.834	208.785	208.757	208.751	208.621	---	9
10	---	208.253	208.194	208.151	208.765	208.833	208.805	208.798	208.800	208.700	208.624	---	10
11	208.284	208.253	208.188	208.153	208.757	208.848	208.762	208.880	209.215	208.847	208.616	---	11
12	---	208.253	208.186	208.152	208.828	208.821	208.728	208.937	208.851	208.763	208.608	---	12
13	---	208.254	208.184	208.154	208.839	208.815	208.752	208.997	208.773	208.786	208.595	208.556	13
14	---	208.253	208.179	208.153	208.820	208.815	208.748	208.972	208.772	208.770	208.586	208.562	14
15	---	208.252	208.174	208.154	208.819	208.916	208.767	208.840	208.790	208.715	208.589	208.564	15
16	---	---	208.173	208.150	208.873	208.850	208.766	208.819	208.729	208.715	208.588	208.562	16
17	---	---	208.173	208.149	208.851	208.838	208.771	208.826	208.793	208.764	208.590	208.561	17
18	---	---	208.172	208.148	208.763	208.842	208.828	208.929	208.775	208.783	208.593	208.559	18
19	---	---	208.170	208.150	208.815	208.816	208.921	208.945	208.750	208.766	208.586	208.559	19
20	---	---	208.169	208.153	208.850	208.743	208.909	208.834	208.750	208.725	208.584	208.555	20
21	---	---	208.170	208.165	208.890	208.810	208.760	208.819	208.776	208.704	208.585	---	21
22	---	---	208.174	208.185	208.881	208.924	208.772	208.819	208.748	208.695	208.581	---	22
23	---	---	208.176	208.197	208.955	208.845	208.895	208.863	208.728	208.790	208.581	---	23
24	---	---	208.179	208.212	208.900	208.841	208.870	208.891	208.749	208.687	208.582	---	24
25	---	---	208.180	208.238	208.933	208.892	208.830	208.950	208.807	208.686	208.584	---	25
26	---	---	208.185	208.261	208.916	208.791	208.828	208.920	208.757	208.677	208.585	---	26
27	---	---	208.184	---	208.891	208.745	208.901	208.753	208.698	208.700	208.584	---	27
28	---	---	208.184	208.685	208.921	208.743	208.870	208.809	208.686	208.653	208.582	---	28
29	---		208.185	208.706	208.919	208.713	208.797	208.829	208.740	208.706	---	---	29
30	---		208.187	208.692	208.925	208.731	208.837	208.769	208.732	208.651	---	---	30
31	---		208.187		208.913		208.774	208.766		208.649		---	31
MEAN	---	---	---	---	208.833	208.836	208.794	208.852	208.798	208.719	---	---	MEAN
MAX	---	---	---	---	208.980	208.938	208.921	208.997	209.215	208.847	---	---	MAX
MIN	---	---	---	---	208.630	208.713	208.693	208.753	208.686	208.649	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.215 ON SEP 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 41 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE MINNEWANKA NEAR BANFF - STATION NO. 05BD003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1472.31	1471.31	1470.69	1470.08	1469.26	1469.65	1472.67	1473.65	1474.04	1474.56	1474.68	1473.83	1
2	1472.34	1471.31	1470.68	1470.05	1469.23	1469.72	1472.70	1473.68	1474.04	1474.56	1474.65	1473.80	2
3	1472.31	1471.30	1470.66	1470.05	1469.20	1469.81	1472.70	1473.71	1474.07	1474.59	1474.62	1473.77	3
4	1472.15	1471.15	1470.63	1470.02	1469.17	1469.90	1472.73	1473.74	1474.10	1474.59	1474.59	1473.74	4
5	1472.09	1471.12	1470.60	1469.99	1469.17	1469.96	1472.76	1473.77	1474.13	1474.62	1474.56	1473.71	5
6	1472.02	1471.12	1470.60	1469.96	1469.14	1470.05	1472.79	1473.80	1474.13	1474.62	1474.56	1473.65	6
7	1471.97	1471.09	1470.57	1469.93	1469.11	1470.08	1472.85	1473.83	1474.17	1474.65	1474.53	1473.62	7
8	1471.94	1471.06	1470.54	1469.93	1469.11	1470.14	1472.89	1473.86	1474.20	1474.65	1474.50	1473.59	8
9	1471.88	1471.03	1470.54	1469.87	1469.08	1470.20	1472.92	1473.89	1474.20	1474.68	1474.47	1473.56	9
10	1471.85	1471.00	1470.51	1469.87	1469.08	1470.26	1472.92	1473.92	1474.23	1474.68	1474.47	1473.53	10
11	1471.82	1471.00	1470.48	1469.87	1469.04	1470.36	1472.95	1473.92	1474.26	1474.71	1474.41	1473.49	11
12	1471.76	1470.96	1470.48	1469.84	1469.01	1470.48	1472.98	1473.92	1474.26	1474.71	1474.41	1473.49	12
13	1471.73	1470.96	1470.45	1469.81	1469.01	1470.63	1473.01	1473.95	1474.29	1474.71	1474.38	1473.46	13
14	1471.70	1470.96	1470.45	1469.81	1469.01	1470.78	1473.04	1473.95	1474.32	1474.74	1474.35	1473.40	14
15	1471.67	1470.90	1470.42	1469.81	1469.01	1470.93	1473.07	1473.98	1474.32	1474.74	1474.32	1473.37	15
16	1471.64	1470.90	1470.42	1469.75	1469.04	1471.12	1473.10	1474.01	1474.35	1474.77	1474.29	1473.34	16
17	1471.64	1470.90	1470.42	1469.72	1469.08	1471.27	1473.13	1474.01	1474.38	1474.77	1474.29	1473.28	17
18	1471.57	1470.90	1470.39	1469.68	1469.08	1471.42	1473.16	1473.98	1474.41	1474.81	1474.26	1473.25	18
19	1471.54	1470.84	1470.36	1469.68	1469.08	1471.54	1473.19	1473.98	1474.41	1474.81	1474.23	1473.22	19
20	1471.48	1470.84	1470.32	1469.62	1469.08	1471.70	1473.22	1473.95	1474.44	1474.81	1474.20	1473.19	20
21	1471.42	1470.84	1470.29	1469.59	1469.11	1471.82	1473.28	1473.95	1474.41	1474.81	1474.17	1473.13	21
22	1471.39	1470.81	1470.29	1469.59	1469.14	1471.97	1473.31	1473.95	1474.44	1474.84	1474.10	1473.10	22
23	1471.36	1470.81	1470.29	1469.53	1469.20	1472.09	1473.34	1473.95	1474.44	1474.84	1474.07	1473.07	23
24	1471.33	1470.78	1470.26	1469.50	1469.28	1472.18	1473.40	1473.95	1474.41	1474.87	1474.04	1473.01	24
25	1471.33	1470.78	1470.23	1469.47	1469.35	1472.28	1473.46	1473.95	1474.44	1474.84	1473.98	1472.98	25
26	1471.30	1470.78	1470.20	1469.41	1469.41	1472.37	1473.49	1473.95	1474.47	1474.81	1473.95	1472.95	26
27	1471.27	1470.72	1470.20	1469.38	1469.44	1472.46	1473.53	1473.98	1474.50	1474.77	1473.92	1472.92	27
28	1471.27	1470.72	1470.17	1469.32	1469.50	1472.52	1473.56	1473.98	1474.50	1474.77	1473.92	1472.85	28
29	1471.24		1470.14	1469.29	1469.53	1472.58	1473.56	1473.98	1474.53	1474.74	1473.89	1472.82	29
30	1471.24		1470.11	1469.26	1469.56	1472.64	1473.59	1474.01	1474.53	1474.71	1473.86	1472.79	30
31	1471.24		1470.11		1469.59		1473.62	1474.01		1474.68		1472.73	31
MEAN	1471.66	1470.95	1470.40	1469.72	1469.20	1471.10	1473.13	1473.91	1474.31	1474.73	1474.29	1473.31	MEAN
MAX	1472.31	1471.31	1470.69	1470.08	1469.59	1472.64	1473.62	1474.01	1474.53	1474.87	1474.68	1473.83	MAX
MIN	1471.24	1470.72	1470.11	1469.26	1469.01	1469.65	1472.67	1473.65	1474.04	1474.56	1473.86	1472.73	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1472.23
MAXIMUM DAILY, 1474.87 ON OCT 24
MINIMUM DAILY, 1469.01 ON MAY 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 14 10 N
LONG 115 29 10 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE SHERBURNE - STATION NO. 05AE036

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1448.630	1448.348	1447.562	1448.370	1449.031	1443.521	1453.555	1443.109	1446.812	1448.455	1449.809	1450.744	1
2	1448.660	1448.364	1447.593	1448.391	1449.153	1443.380	1453.558	1443.271	1446.876	1448.477	1449.856	1450.747	2
3	1448.682	1448.388	1447.623	1448.419	1449.251	1443.371	1453.588	1443.505	1446.922	1448.522	1449.906	1450.796	3
4	1448.702	1448.406	1447.675	1448.431	1449.314	1443.539	1453.527	1443.685	1447.014	1448.571	1449.937	1450.845	4
5	1448.730	1448.422	1447.702	1448.458	1449.092	1443.758	1453.414	1443.847	1447.093	1448.632	1449.973	1450.875	5
6	1448.758	1448.438	1447.736	1448.471	1448.931	1443.886	1453.247	1443.996	1447.172	1448.666	1450.025	1450.909	6
7	1448.776	1448.456	1447.763	1448.486	1448.781	1443.825	1453.055	1444.148	1447.245	1448.718	1450.077	1450.915	7
8	1448.782	1448.462	1447.794	1448.495	1448.629	1443.658	1452.817	1444.304	1447.309	1448.765	1450.113	1450.955	8
9	1448.785	1448.486	1447.834	1448.519	1448.495	1443.666	1452.576	1444.481	1447.379	1448.775	1450.126	1450.979	9
10	1448.816	1448.489	1447.876	1448.547	1448.272	1443.792	1452.375	1444.636	1447.462	1448.803	1449.959	1451.000	10
11	1448.816	1448.485	1447.919	1448.577	1448.032	1444.161	1452.171	1444.810	1447.538	1448.833	1450.199	1451.028	11
12	1448.846E	1448.523	1447.934	1448.620	1447.739	1444.636	1451.933	1444.962	1447.617	1448.861	1450.217	1451.055	12
13	1448.868E	1448.550	1447.952	1448.635	1447.486	1445.185	1451.680	1445.096	1447.651	1448.888	1450.244	1451.071	13
14	1448.892E	1448.586	1447.986	1448.635	1447.267	1445.886	1451.409	1445.218	1447.745	1448.919	1450.272	1450.872	14
15	1448.916E	1448.642	1448.016	1448.635	1447.105	1446.630	1451.168	1445.340	1447.826	1448.952	1450.278	1451.110	15
16	1448.941E	1448.694	1448.036	1448.617	1447.017	1447.338	1450.857	1445.447	1447.885	1448.984	1450.309	1451.153	16
17	1448.968E	1448.761	1448.044	1448.608	1446.950	1447.989	1450.482	1445.554	1447.904	1449.044	1450.354	1451.180	17
18	1448.993E	1448.806	1448.068	1448.596	1446.876	1448.506	1450.123	1445.651	1447.968	1449.095	1450.400	1451.195	18
19	1448.017E	1448.870	1448.093	1448.586	1446.784	1448.972	1449.754	1445.752	1448.010	1449.153	1450.430E	1451.214	19
20	1448.044E	1448.889	1448.111	1448.585	1446.569	1449.466	1449.466	1445.865	1448.056	1449.198	1450.458E	1451.238	20
21	1448.088E	1448.768	1448.147	1448.586	1446.395	1449.992	1449.118	1445.959	1448.102	1449.233	1450.488E	1451.268	21
22	1448.093E	1447.136	1448.168	1448.583	1446.303	1450.537	1448.597	1446.053	1448.139	1449.268	1450.519E	1451.305	22
23	1448.110E	1447.962	1448.175	1448.580	1446.276	1451.077	1447.834	1446.163	1448.189	1449.306	1450.548E	1451.320	23
24	1448.145E	1447.312	1448.194	1448.619	1446.175	1451.528	1447.093	1446.269	1448.202	1449.348	1450.577E	1451.336	24
25	1448.168E	1447.370	1448.221	1448.656	1446.093	1451.921	1446.361	1446.325	1448.227	1449.428	1450.607	1451.351	25
26	1448.194E	1447.425	1448.239	1448.702	1446.050	1452.311	1445.663	1446.401	1448.258	1449.498	1450.619	1451.369	26
27	1448.221E	1447.477	1448.263	1448.758	1445.746	1452.726	1444.990	1446.505	1448.308	1449.550	1450.641	1451.387	27
28	1448.246	1447.581	1448.288	1448.821	1445.313	1453.119	1444.395	1446.590	1448.333	1449.620	1450.668	1451.403	28
29	1448.279		1448.306	1448.909	1444.816	1453.399	1443.847	1446.623	1448.370	1449.671	1450.699	1451.424	29
30	1448.310		1448.330	1448.964	1444.277	1453.500	1443.478	1446.700	1448.407	1449.732	1450.729	1451.436	30
31	1448.328		1448.349		1443.810		1443.262	1446.788		1449.775		1451.452	31
MEAN	1448.961	1448.752	1447.998	1448.592	1447.157	1447.508	1449.897	1445.358	1447.723	1449.056	1450.288	1451.127	MEAN
MAX	1448.328	1447.581	1448.349	1448.964	1449.251	1453.500	1453.500	1446.788	1448.407	1449.775	1450.729	1451.452	MAX
MIN	1448.630	1448.348	1447.562	1448.370	1443.810	1443.371	1443.262	1443.109	1446.812	1448.455	1449.559	1450.744	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1448.113
MAXIMUM DAILY, 1453.588 ON JUL 3
MINIMUM DAILY, 1443.109 ON AUG 1
MAXIMUM INSTANTANEOUS,
1453.613 AT 19:00 MDT ON JUL 3

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 50 N
LONG 113 31 10 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO UNITED STATES RECLAMATION SERVICE DATUM
APPLY 2.000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LALDY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.311	0.002	0	0	0	0.001	---	---	1
2	---	---	0B	0 B	0.229	0.004	0	0	0	0.001	---	---	2
3	---	---	0B	0 B	0.156	0.012	0	0	0	0.001	---	---	3
4	---	---	0B	0 B	0.097	0.002	0	0.071	0	0.001	---	---	4
5	---	---	0B	0 B	0.067	0.002	0	0.069	0	0.001	---	---	5
6	---	---	0B	0 B	0.050	0.012	0	0.101	0	0.001	---	---	6
7	---	---	0B	0 B	0.040	0.037	0	0.085	0	0.001	---	---	7
8	---	---	0B	0 B	0.056	0.023	0	0.032	0	0.001	---	---	8
9	---	---	0B	0 B	0.050	0.004	0	0.035	0	0.001	---	---	9
10	---	---	0B	0 B	0.047	0.001	0	0.017	0	0.001	---	---	10
11	---	---	0B	0 B	0.036	0	0	0.006	0	0.001	---	---	11
12	---	---	0B	0 B	0.031	0	0	0.001	0	0	---	---	12
13	---	---	0B	0.001B	0.022	0	0	0	0	0.001	---	---	13
14	---	---	0B	0.005B	0.022	0	0	0	0	0	---	---	14
15	---	---	0B	0.025B	0.025	0	0	0	0	0	---	---	15
16	---	---	0B	0.014B	0.020	0	0	0	0	0.001	---	---	16
17	---	---	0B	0.002B	0.025	0	0	0	0	0.001	---	---	17
18	---	---	0B	0.006B	0.009	0	0	0	0	0	---	---	18
19	---	---	0B	0.006B	0.020	0	0	0	0	0	---	---	19
20	---	---	0B	0.003	0.023	0	0	0	0	0.002	---	---	20
21	---	---	0B	0.014	0.042	0	0	0	0	0.001	---	---	21
22	---	---	0B	0.010	0.045	0	0	0	0.001	0.001	---	---	22
23	---	---	0B	0.010	0.066	0	0	0	0.001	0.001	---	---	23
24	---	---	0B	0.049	0.034	0	0	0	0.001	0.001	---	---	24
25	---	---	0B	0.677	0.009	0	0	0	0.001	0.001A	---	---	25
26	---	---	0B	1.72	0.007	0	0	0	0.001	0.001E	---	---	26
27	---	---	0B	4.24	0.024	0	0	0	0.001	0.001E	---	---	27
28	---	---	0B	1.45	0.003	0	0	0	0.002	0.001E	---	---	28
29	---		0B	0.728	0.011	0	0	0	0.002	0.001E	---	---	29
30	---		0B	0.433	0.019	0	0	0	0.001	0.001E	---	---	30
31	---		0B		0.012		0	0		0.001E		---	31
TOTAL	---	---	0	9.393	1.608	0.099	0	0.417	0.011	0.027	---	---	TOTAL
MEAN	---	---	0	0.313	0.052	0.003	0	0.013	0	0.001	---	---	MEAN
MAX	---	---	0	4.24	0.311	0.037	0	0.101	0.002	0.002	---	---	MAX
MIN	---	---	0	0	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 4.24 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.37 AT 03:00 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 47 29 N
LONG 117 20 10 W
DRAINAGE AREA, 160 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	36.0
MAR	0	SEP	0.95
APR	812	OCT	2.33
MAY	139	NOV	---
JUN	8.55	DEC	---

TOTAL DISCHARGE, 999 dam³

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0 E	0.017	0.397	0.200	0.120	0.247	0A	---	1
2	---	---	---	---	0 E	0.014	0.305	0.176	0.109	0.238	---	---	2
3	---	---	---	---	0 A	0.060	0.261	0.146	0.138	0.218	---	---	3
4	---	---	---	---	0 E	0.125	0.203	0.089	0.185	0.239	---	---	4
5	---	---	---	---	0 E	0.218	0.204	0.195	0.105	0.267	---	---	5
6	---	---	---	---	0 E	0.145	0.190	0.174	0.197	0.220	---	---	6
7	---	---	---	---	0 E	0.044	0.187	0.260	0.205	0.177	---	---	7
8	---	---	---	---	0 E	0.011	0.189	0.332	0.274	0.197	---	---	8
9	---	---	---	---	0 E	0.010	0.113	0.340	0.138	0.203	---	---	9
10	---	---	---	---	0 E	0.045	0.185	0.323	0.197	0.218	---	---	10
11	---	---	---	---	0 E	0.062	0.168	0.326	0.221	0.278	---	---	11
12	---	---	---	---	0 E	0.056	0.068	0.333	0.262	0.333	---	---	12
13	---	---	---	---	0 A	0.059	0.114	0.254	0.211	0.342	---	---	13
14	---	---	---	---	0	0.024	0.210	0.200	0.197	0.336	---	---	14
15	---	---	---	---	0	0.071	0.211	0.202	0.278	0.238	---	---	15
16	---	---	---	---	0	0.150	0.213	0.217	0.262	0.045	---	---	16
17	---	---	---	---	0	0.173	0.236	0.208	0.264	0.017	---	---	17
18	---	---	---	---	0.018	0.148	0.235	0.158	0.231	0.016	---	---	18
19	---	---	---	---	0.037	0.117	0.244	0.141	0.270	0.036	---	---	19
20	---	---	---	---	0.043	0.136	0.218	0.195	0.260	0.009	---	---	20
21	---	---	---	---	0.143	0.163	0.231	0.257	0.189	0.004	---	---	21
22	---	---	---	---	0.259	0.144	0.238	0.219	0.224	0.003	---	---	22
23	---	---	---	---	0.207	0.139	0.255	0.249	0.207	0.002	---	---	23
24	---	---	---	---	0.173	0.117	0.241	0.348	0.210	0.001	---	---	24
25	---	---	---	---	0.162	0.185	0.343	0.406	0.249	0.002	---	---	25
26	---	---	---	---	0.137	0.181	0.352	0.370	0.315	0.001	---	---	26
27	---	---	---	---	0.090	0.205	0.161	0.270	0.320	0	---	---	27
28	---	---	---	---	0.028	0.192	0.117	0.102	0.283	0	---	---	28
29	---		---	---	0.021	0.284	0.122	0.007	0.294	0	---	---	29
30	---		---	---	0.006	0.369	0.109	0.006	0.258	0	---	---	30
31	---		---		0.004		0.125	0.048		0		---	31
TOTAL	---	---	---	---	1.324	3.664	6.445	6.747	6.779	3.887	---	---	TOTAL
MEAN	---	---	---	---	0.043	0.122	0.208	0.218	0.226	0.125	---	---	MEAN
MAX	---	---	---	---	0.259	0.369	0.397	0.406	0.320	0.342	---	---	MAX
MIN	---	---	---	---	0	0.010	0.068	0.004	0.109	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 0.406 ON AUG 25
MINIMUM DAILY, 0E ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 38 N
LONG 112 25 46 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	557
FEB	---	AUG	583
MAR	---	SEP	586
APR	---	OCT	336
MAY	116	NOV	---
JUN	317	DEC	---

TOTAL DISCHARGE, 2 490 dam³

LEE CREEK (EAST BRANCH) NEAR BEAVER - STATION NO. 05AE040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.10 A	0.781	0.068	0.024	0.068	---	---	1
2	---	---	---	---	---	1.13	0.652	0.063	0.023	0.062	---	---	2
3	---	---	---	---	---	1.13	0.576	0.067	0.018	0.066	---	---	3
4	---	---	---	---	---	0.990	0.545	0.062	0.025	0.063	---	---	4
5	---	---	---	---	---	0.965	0.474	0.059	0.029	0.054	---	---	5
6	---	---	---	---	---	1.05	0.464	0.071	0.025	0.049	---	---	6
7	---	---	---	---	---	1.20	0.435	0.054	0.022	0.046	---	---	7
8	---	---	---	---	---	1.01	0.399	0.048	0.021	0.044	---	---	8
9	---	---	---	---	---	0.983	0.365	0.069	0.020	0.039	---	---	9
10	---	---	---	---	---	0.909	0.363	0.072	0.022	0.041	---	---	10
11	---	---	---	---	---	0.904	0.356	0.058	0.023	0.039	---	---	11
12	---	---	---	---	---	0.872	0.356	0.052	0.036	0.038	---	---	12
13	---	---	---	---	---	0.869	0.319	0.050	0.054	0.038	---	---	13
14	---	---	---	---	---	0.885	0.291	0.048	0.055	0.038	---	---	14
15	---	---	---	---	---	0.842	0.295	0.042	0.046	0.045	---	---	15
16	---	---	---	---	---	0.814	0.307	0.043	0.053	0.040	---	---	16
17	---	---	---	---	---	0.770	0.256	0.042	0.051	0.042	---	---	17
18	---	---	---	---	---	0.705	0.229	0.046	0.042	0.040	---	---	18
19	---	---	---	---	---	0.666	0.238	0.046	0.037	0.038	---	---	19
20	---	---	---	---	---	0.665	0.242	0.034	0.033	0.037	---	---	20
21	---	---	---	---	---	0.661	0.199	0.032	0.027	0.040	---	---	21
22	---	---	---	---	---	0.613	0.168	0.028	0.026	0.043	---	---	22
23	---	---	---	---	---	0.697	0.156	0.031	0.026	0.041	---	---	23
24	---	---	---	---	---	0.616	0.153	0.039	0.024	0.039	---	---	24
25	---	---	---	---	---	0.650	0.151	0.030	0.023	0.040	---	---	25
26	---	---	---	---	---	0.620	0.148	0.032	0.027	0.040	---	---	26
27	---	---	---	---	---	0.598	0.127	0.039	0.055	0.042A	---	---	27
28	---	---	---	---	---	0.589	0.131	0.033	0.073	0.042E	---	---	28
29	---		---	---	---	0.720	0.105	0.027	0.080	0.042E	---	---	29
30	---		---	---	---	0.974	0.111	0.034	0.073	0.042E	---	---	30
31	---		---		---		0.086	0.028		0.042E		---	31
TOTAL	---	---	---	---	---	25.197	9.398	1.447	1.093	1.380	---	---	TOTAL
MEAN	---	---	---	---	---	0.840	0.303	0.047	0.036	0.045	---	---	MEAN
MAX	---	---	---	---	---	1.20	0.701	0.072	0.080	0.068	---	---	MAX
MIN	---	---	---	---	---	0.589	0.086	0.027	0.018	0.037	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.20 ON JUN 7

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 00 N
LONG 113 32 00 W
DRAINAGE AREA, 22.0 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	812
FEB	---	AUG	125
MAR	---	SEP	94.4
APR	---	OCT	119
MAY	---	NOV	---
JUN	2 180	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT BEAVER - STATION NO. 05AE037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	3.96	3.02	0.494	0.253	0.425	---	---	1
2	---	---	---	---	---	3.77	2.60	0.469	0.238	0.422	---	---	2
3	---	---	---	---	---	4.08	2.19	0.475	0.227	0.432	---	---	3
4	---	---	---	---	---	4.14	2.01	0.473	0.259	0.409	---	---	4
5	---	---	---	---	---	3.91	1.85	0.448	0.273	0.378	---	---	5
6	---	---	---	---	---	4.26	1.72	0.424	0.262	0.357	---	---	6
7	---	---	---	---	---	4.64	1.63	0.407	0.269	0.340	---	---	7
8	---	---	---	---	---	3.95	1.54	0.397	0.244	0.330	---	---	8
9	---	---	---	---	---	3.55	1.39	0.437	0.240	0.324	---	---	9
10	---	---	---	---	---	3.38	1.32	0.468	0.253	0.315	---	---	10
11	---	---	---	---	---	3.39	1.24	0.448	0.275	0.314	---	---	11
12	---	---	---	---	---	3.30	1.17	0.407	0.309	0.302	---	---	12
13	---	---	---	---	---	3.32	1.17	0.380	0.330	0.304	---	---	13
14	---	---	---	---	---	3.27	1.12	0.357	0.329	0.308	---	---	14
15	---	---	---	---	---	3.16	1.12	0.343	0.319	0.313	---	---	15
16	---	---	---	---	---	3.15	1.10	0.336	0.328	0.314	---	---	16
17	---	---	---	---	2.19A	3.00	1.06	0.334	0.346	0.318	---	---	17
18	---	---	---	---	2.27	2.68	0.982	0.324	0.328	0.334	---	---	18
19	---	---	---	---	2.53	2.54	0.916	0.320	0.318	0.325	---	---	19
20	---	---	---	---	2.22	2.43	0.873	0.312	0.306	0.312	---	---	20
21	---	---	---	---	2.11	2.36	0.886	0.302	0.286	0.298	---	---	21
22	---	---	---	---	2.06	2.30	0.773	0.291	0.292	0.289	---	---	22
23	---	---	---	---	2.10	2.61	0.719	0.297	0.297	0.291	---	---	23
24	---	---	---	---	1.91	2.43	0.703	0.303	0.295	0.302	---	---	24
25	---	---	---	---	1.92	2.35	0.672	0.291	0.285	0.304	---	---	25
26	---	---	---	---	2.13	2.26	0.662	0.298	0.295	0.297	---	---	26
27	---	---	---	---	2.19	2.24	0.627	0.308	0.362	0.294A	---	---	27
28	---	---	---	---	2.65	2.12	0.604	0.288	0.445	0.283E	---	---	28
29	---		---	---	2.32	2.50	0.570	0.286	0.478	0.283E	---	---	29
30	---		---	---	2.28	4.15	0.538	0.277	0.436	0.283E	---	---	30
31	---		---		3.23		0.507	0.263		0.283E		---	31
TOTAL	---	---	---	---	---	95.20	37.282	11.257	9.173	10.083	---	---	TOTAL
MEAN	---	---	---	---	---	3.17	1.20	0.363	0.306	0.325	---	---	MEAN
MAX	---	---	---	---	---	4.64	3.02	0.494	0.478	0.432	---	---	MAX
MIN	---	---	---	---	---	2.12	0.507	0.263	0.227	0.283	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.64 ON JUN 7

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 00 N
LONG 113 29 00 W
DRAINAGE AREA, 174 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 220
FEB	---	AUG	973
MAR	---	SEP	793
APR	---	OCT	871
MAY	---	NOV	---
JUN	8 230	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT CARDSTON - STATION NO. 05AE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.019B	0.003B	0.008B	0.420B	1.75	4.11	3.83	0.475E	0.156A	0.460E	0.207A	0.250B	1
2	0.015B	0.003B	0.020B	0.400B	2.25	3.95	3.12	0.455E	0.150E	0.490E	0.300E	0.260B	2
3	0.012B	0.002B	0.070B	0.370B	2.82	4.42	2.89	0.450E	0.130E	0.435E	0.190E	0.350B	3
4	0.008B	0.002B	0.120B	0.360B	2.32	4.44	2.16	0.440E	0.140E	0.410E	0.190E	0.340B	4
5	0.006B	0.002B	0.190B	0.330B	1.84	4.48	2.01	0.420E	0.210E	0.380E	0.180E	0.230B	5
6	0.003B	0.002B	0.280B	0.300B	1.62	4.80	1.85	0.395E	0.200E	0.360E	0.170E	0.190B	6
7	0.002B	0.002B	0.380B	0.277B	1.61	5.08	1.70	0.385E	0.210E	0.320E	0.170E	0.140B	7
8	0.001B	0.002B	0.500B	0.240B	1.90	4.39	1.63	0.380E	0.185A	0.290E	0.170E	0.120B	8
9	0.001B	0.003B	0.620B	0.230B	1.63	3.93	1.47	0.390E	0.175E	0.275E	0.160E	0.130B	9
10	0.002B	0.004B	0.760B	0.230B	1.44	3.67	1.40	0.400E	0.175E	0.265E	0.160E	0.130B	10
11	0.004B	0.005B	0.910B	1.50 B	1.26	3.56	1.36	0.375E	0.200E	0.260E	0.150E	0.140B	11
12	0.007B	0.007B	0.970B	5.00 B	1.34	3.60	1.26	0.355E	0.230E	0.262A	0.150B	0.160B	12
13	0.010B	0.008B	0.900B	10.0 B	1.56	3.49	1.24	0.330E	0.300E	0.260E	0.160B	0.180B	13
14	0.009B	0.009B	0.830B	6.30 B	1.81	3.51	1.19	0.315E	0.365E	0.255E	0.170B	0.180B	14
15	0.008B	0.010B	0.773B	3.70 B	2.02	3.34	1.16	0.300E	0.343A	0.280E	0.190B	0.200B	15
16	0.007B	0.012B	0.706B	3.57 B	2.23	3.59	1.15	0.285E	0.350E	0.290E	0.190B	0.220B	16
17	0.006B	0.014B	0.670B	3.30 B	2.11	3.35	1.17	0.265A	0.380E	0.310E	0.200B	0.230B	17
18	0.005B	0.017B	0.630B	2.70 B	2.17	2.94	1.02	0.260E	0.290E	0.325E	0.200B	0.230B	18
19	0.003B	0.019B	0.590B	2.00 B	2.64	2.63	0.952	0.255E	0.260E	0.339A	0.190B	0.200B	19
20	0.003B	0.018B	0.560B	1.58 B	2.50	2.52	0.960	0.250E	0.230A	0.315E	0.180B	0.160B	20
21	0.002B	0.017B	0.530B	1.80 B	2.37	2.48	0.990	0.250E	0.230E	0.290E	0.170B	0.130B	21
22	0.002B	0.016B	0.511B	2.90 B	2.17	2.35	0.898	0.253E	0.234E	0.250E	0.150B	0.130B	22
23	0.003B	0.015B	0.500B	4.50 B	2.16	2.58	0.912	0.256E	0.238E	0.255E	0.150B	0.120B	23
24	0.006B	0.014B	0.490B	4.00 B	1.97	2.64	0.849	0.258E	0.234E	0.260E	0.140B	0.120B	24
25	0.008B	0.013B	0.490B	2.62	1.90	2.51	0.810	0.250E	0.230E	0.265E	0.150B	0.120B	25
26	0.006B	0.011B	0.480B	2.19	2.40	2.50	0.833	0.260E	0.245E	0.245E	0.170B	0.140B	26
27	0.005B	0.009B	0.480B	2.04	2.83	2.32	0.648A	0.264E	0.453A	0.230E	0.190B	0.160B	27
28	0.004B	0.008B	0.470B	2.30	3.88	2.29	0.600E	0.250E	0.480E	0.213A	0.230B	0.190B	28
29	0.004B		0.459B	2.24	3.15	2.84	0.570E	0.234E	0.500E	0.210E	0.240B	0.210B	29
30	0.003B		0.440B	1.85	2.64	4.70	0.530E	0.210E	0.480E	0.210E	0.244B	0.250B	30
31	0.003B		0.430B		3.15		0.500E	0.180E		0.210E		0.300B	31
TOTAL	0.177	0.247	15.767	69.247	67.44	103.01	41.262	9.845	7.993	9.177	5.411	5.708	TOTAL
MEAN	0.006	0.009	0.509	2.31	2.18	3.43	1.33	0.318	0.266	0.296	0.180	0.184	MEAN
MAX	0.019	0.019	0.970	10.0	3.88	5.08	3.83	0.475	0.500	0.460	0.244	0.300	MAX
MIN	0.001	0.002	0.008	0.230	1.26	2.29	0.500	0.180	0.130	0.210	0.140	0.120	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.919
MAXIMUM DAILY, 10.0B ON APR 13
MINIMUM DAILY, 0.001B ON JAN 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 00 N
LONG 113 17 45 W
DRAINAGE AREA, 308 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15.3	JUL	3 570
FEB	21.3	AUG	851
MAR	1 360	SEP	691
APR	5 980	OCT	793
MAY	5 830	NOV	468
JUN	8 900	DEC	493

TOTAL DISCHARGE, 29 000 dam³

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.70 E	2.76	2.32	0.282	0.179	0.329	---	---	1
2	---	---	---	---	1.84 E	2.64	2.05	0.282	0.165	0.334	---	---	2
3	---	---	---	---	1.87 A	2.86	1.83	0.261	0.160	0.349	---	---	3
4	---	---	---	---	1.57	2.88	1.68	0.253	0.182	0.309	---	---	4
5	---	---	---	---	1.30	2.77	1.56	0.259	0.192	0.261	---	---	5
6	---	---	---	---	1.24	2.72	1.42	0.268	0.173	0.246	---	---	6
7	---	---	---	---	1.34	2.95	1.33	0.244	0.178	0.232	---	---	7
8	---	---	---	---	1.37	2.63	1.23	0.223	0.164	0.218	---	---	8
9	---	---	---	---	0.974	2.53	1.17	0.315	0.154	0.202	---	---	9
10	---	---	---	---	0.862	2.48	1.07	0.297	0.189	0.203	---	---	10
11	---	---	---	---	0.873	2.63	0.976	0.250	0.199	0.213	---	---	11
12	---	---	---	---	1.10	2.59	0.966	0.220	0.223	0.224	---	---	12
13	---	---	---	---	1.40	2.73	0.919	0.201	0.265	0.219	---	---	13
14	---	---	---	---	1.54	2.78	0.887	0.171	0.253	0.221	---	---	14
15	---	---	---	---	1.68	2.70	0.869	0.190	0.228	0.233	---	---	15
16	---	---	---	---	1.73	2.62	0.846	0.181	0.289	0.232	---	---	16
17	---	---	---	---	1.60	2.46	0.792	0.186	0.272	0.250	---	---	17
18	---	---	---	---	1.70	2.28	0.724	0.195	0.247	0.235	---	---	18
19	---	---	---	---	1.88	2.22	0.690	0.194	0.252	0.212	---	---	19
20	---	---	---	---	1.69	2.16	0.728	0.193	0.238	0.209	---	---	20
21	---	---	---	---	1.66	2.20	0.651	0.211	0.210	0.201	---	---	21
22	---	---	---	---	1.61	2.22	0.581	0.205	0.208	0.225	---	---	22
23	---	---	---	---	1.65	2.51	0.566	0.211	0.197	0.239	---	---	23
24	---	---	---	---	1.58	2.26	0.468	0.222	0.194	0.242	---	---	24
25	---	---	---	---	1.65	2.19	0.497	0.234	0.192	0.232	---	---	25
26	---	---	---	---	1.78	2.11	0.462	0.240	0.203	0.224	---	---	26
27	---	---	---	---	1.56	1.98	0.413	0.228	0.301	0.227A	---	---	27
28	---	---	---	---	1.52	1.98	0.399	0.217	0.350	0.227E	---	---	28
29	---		---	---	1.39	2.21	0.380	0.211	0.349	0.227E	---	---	29
30	---		---	---	1.67	3.15	0.405	0.225	0.323	0.227E	---	---	30
31	---		---		2.39		0.333	0.203		0.227E		---	31
TOTAL	---	---	---	---	47.719	75.20	29.207	7.072	6.721	7.439	---	---	TOTAL
MEAN	---	---	---	---	1.54	2.51	0.942	0.228	0.224	0.240	---	---	MEAN
MAX	---	---	---	---	2.39	3.15	2.32	0.315	0.350	0.349	---	---	MAX
MIN	---	---	---	---	0.862	1.98	0.333	0.171	0.154	0.201	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.942
MAXIMUM DAILY, 3.15 ON JUN 30
MINIMUM DAILY, 0.154 ON SEP 9

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 113 02 30 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 520
FEB	---	AUG	611
MAR	---	SEP	581
APR	---	OCT	642
MAY	4 120	NOV	---
JUN	6 500	DEC	---

TOTAL DISCHARGE, 15 000 dam³

LESSER SLAVE LAKE AT FAUST - STATION NO. 07BJ002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	576.047	576.243	576.123	576.277A	---	576.269	---	---	1
2	---	---	---	---	576.045	576.241	576.134	---	---	576.260	---	---	2
3	---	---	---	---	576.035	576.237	576.128	---	---	576.258	---	---	3
4	---	---	---	---	576.028A	576.235	576.135	---	---	576.262	---	---	4
5	---	---	---	---	576.024E	576.253	576.128	---	---	576.239	---	---	5
6	---	---	---	---	576.021A	576.230	576.126	---	---	576.282	---	---	6
7	---	---	---	---	576.021	576.229	576.144	---	576.396A	576.302	---	---	7
8	---	---	---	---	576.034	576.218	576.138	---	576.410	576.187	---	---	8
9	---	---	---	---	576.039	576.223	576.134	---	576.412	576.224	---	---	9
10	---	---	---	---	576.040	576.225	576.131	---	576.372	576.214	---	---	10
11	---	---	---	---	576.041	576.221	576.127	---	576.375	576.203	---	---	11
12	---	---	---	---	576.045	576.218	576.128	---	576.384	576.201	---	---	12
13	---	---	---	---	576.053	576.215	576.183	---	576.380	576.195	---	---	13
14	---	---	---	---	576.054	576.209	576.164	---	576.370	576.195	---	---	14
15	---	---	---	---	576.057	576.201	576.195	---	576.367	576.224A	---	---	15
16	---	---	---	---	576.077	576.200	576.208	---	576.362	576.212A	---	---	16
17	---	---	---	---	576.092	576.197	576.224	---	576.355	576.182A	---	---	17
18	---	---	---	---	576.104	576.191	576.204	---	576.358	576.166A	---	---	18
19	---	---	---	---	576.117	576.191	576.201	---	576.355	576.168A	---	---	19
20	---	---	---	---	576.136	576.189	576.222	---	576.344	576.177A	---	---	20
21	---	---	---	---	576.144	576.172	576.245	---	576.333	576.189A	---	---	21
22	---	---	---	---	576.154	576.174	576.227	---	576.325	576.214A	---	---	22
23	---	---	---	---	576.159	576.168	576.239	---	576.323	576.165	---	---	23
24	---	---	---	---	576.165	576.160	576.252	---	576.317	576.178	---	---	24
25	---	---	---	---	576.174	576.153	576.264	---	576.304	576.177A	---	---	25
26	---	---	---	---	576.198	576.143	576.270	---	576.316	576.169E	---	---	26
27	---	---	---	---	576.208	576.146	576.264	---	576.293	576.164E	---	---	27
28	---	---	---	---	576.215	576.132	576.276	---	576.290	576.159E	---	---	28
29	---		---	---	576.220	576.127	576.280	---	576.279	576.154E	---	---	29
30	---		---	576.056A	576.228	576.137	576.276	---	576.275	576.159E	---	---	30
31	---		---		576.231		576.289	---		576.164E		---	31
MEAN	---	---	---	---	576.103	576.196	576.194	---	---	576.199	---	---	MEAN
MAX	---	---	---	---	576.231	576.253	576.289	---	---	576.269	---	---	MAX
MIN	---	---	---	---	576.021	576.127	576.123	---	---	576.154	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 15 N
LONG 115 37 30 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE LAKE AT SLAVE LAKE - STATION NO. 07BJ006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	575.891	576.108	576.091	576.076	576.051	576.309	---	576.387	576.592	576.428	576.336	576.227	1
2	576.066	576.104	576.089	576.071	576.065	576.309	---	576.446	576.563	576.427	576.286	576.219	2
3	576.067	576.104	576.094	576.068	576.086	576.323	---	576.498	576.555	576.411	576.100	576.216	3
4	576.074	576.097	576.091	576.062	576.098	576.338	---	576.544	576.511	576.394	576.094	576.234	4
5	576.073	576.099	576.089	576.069	576.117	576.332	---	576.538	576.505	576.369	576.270	576.231	5
6	576.068	576.103	576.079	576.069	576.092	576.329	576.259A	576.591	576.505	576.322	576.286	576.227	6
7	576.071	576.083	576.082	576.068	576.088	576.311	576.248	576.561	576.559	576.444	576.258	576.224	7
8	576.066	576.086	576.065	576.078	576.092	576.347	576.247	576.523	576.527	576.462	576.259	576.229A	8
9	576.072	576.081	576.085	576.058	576.097	576.321	576.258	576.509	576.524	576.376	576.262	---	9
10	576.046	576.093	576.079	576.065	576.102	576.300	576.266	576.532	576.616	576.375	576.279	---	10
11	576.065	576.092	576.092	576.067	576.113	576.293	576.269	576.608	576.570	576.437	576.258	---	11
12	576.068A	576.094	576.090	576.051	576.122	576.293	576.260	576.627	576.514	576.384	576.283	---	12
13	---	576.088	576.088	576.050	576.133	576.286	576.229	576.613	576.489	576.405	576.294	---	13
14	---	576.09[illegible]	576.089	576.053	576.135	576.301	576.177	576.616	576.477	576.408	576.323	---	14
15	---	576.087	576.085	576.053	576.148	576.286A	576.304	576.600	576.504	576.293	576.290	---	15
16	---	576.073	576.081	576.039	576.162	---	576.350	576.587	576.477	576.332	576.141	---	16
17	---	576.087	576.082	576.038	576.175	---	576.361	576.606	576.480	576.437	576.220	---	17
18	---	576.085	576.071	576.036	576.176	---	576.393	576.634	576.473	576.408	576.250	---	18
19	---	576.096	576.060	576.025	576.193	---	576.437	576.595	576.438	576.377	576.267	---	19
20	---	576.104	576.081	576.014	576.206	---	576.354	576.565	576.439	576.365	576.266	---	20
21	---	576.105	576.078	576.006	576.229	---	576.313	576.599	576.467	576.310	576.242	---	21
22	---	576.102	576.080	575.999	576.246	---	576.437	576.599	576.471	576.234	576.238	---	22
23	---	576.103	576.079	575.999	576.222	---	576.411	576.602	576.443	576.428	576.232	---	23
24	---	576.103	576.073	576.005	576.242	---	576.395	576.587	576.432	576.410	576.229	---	24
25	---	576.097	576.054	576.006	576.255	---	576.376	576.589	576.469	576.372A	576.223	---	25
26	576.105A	576.091	576.051	576.009	576.327	---	576.380	576.559	576.413	576.379E	576.209	---	26
27	576.104	576.101	576.073	576.020	576.319	---	576.403	576.508	576.378	576.386E	576.217	---	27
28	576.106	576.101	576.062	576.031	576.316	---	576.381	576.619	576.398	576.394A	576.219	---	28
29	576.108		576.091	576.061	576.318	---	576.376	576.565	576.461	576.357	576.216	---	29
30	576.103		576.101	576.046	576.317	---	576.402	576.537	576.404	576.347	576.221	---	30
31	576.110		576.075		576.324		576.337	576.591		576.316		---	31
MEAN	---	576.094	576.080	576.043	576.188	---	---	576.565	576.489	576.388	576.241	---	MEAN
MAX	---	576.108	576.101	576.078	576.327	---	---	576.634	576.616	576.462	576.336	---	MAX
MIN	---	576.087	576.051	575.999	576.051	---	---	576.387	576.378	576.234	576.094	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 576.634 ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 18 15 N
LONG 114 46 18 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE RIVER AT HIGHWAY NO. 2 - STATION NO. 07KB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.5B	15.3B	14.3B	15.9B	32.6	37.5E	32.9	35.2	46.5	38.6	33.6	33.1B	1
2	13.3B	15.2B	14.3B	15.6B	33.8	37.5E	33.6	41.9	45.4	39.0	33.5	32.8B	2
3	13.2B	15.2B	14.3B	15.9B	35.7	29.4E	33.7	50.3	45.1	38.6	28.9	32.3B	3
4	13.2B	15.2B	14.4B	15.8B	37.2	31.4E	34.5	61.3	43.8	38.0	25.9B	32.5B	4
5	13.2B	15.0B	14.5B	15.8B	37.4	33.3E	36.2	63.0	43.1	37.6	25.9B	32.3B	5
6	13.2B	15.2B	14.4B	15.9B	36.7	35.2E	36.2	58.7	43.1	36.8	24.5B	32.1B	6
7	13.3B	14.8B	14.5B	15.9B	36.2	37.0E	34.9	53.4	43.7	37.2	24.0B	30.7B	7
8	13.3B	14.6B	14.4B	15.8B	36.1	39.0E	34.1	49.8	43.6	39.8	23.5B	30.7B	8
9	13.4B	14.4B	14.7B	15.8B	36.0	39.1A	33.8	47.8	43.1	37.5	23.0B	30.6B	9
10	13.2B	14.4B	14.7B	15.7B	36.1	38.9	33.8	46.1	45.9	36.8	22.7B	29.5B	10
11	13.5B	14.4B	14.8B	16.1B	36.5	38.4	33.8	48.4	45.9	37.6	22.5B	29.4B	11
12	13.8B	14.6B	15.1B	16.3B	37.5	38.0	33.5	49.7	44.1	37.0	22.2B	29.7B	12
13	13.9B	14.6B	15.2B	16.4B	38.4	37.6	32.5	48.9	42.6	37.0	21.5B	29.8B	13
14	14.5B	14.6B	15.5B	16.9B	38.6	37.6	31.1	48.0	41.8	37.3	21.3B	29.9B	14
15	14.3B	14.5B	15.7B	18.7B	39.1	38.0	33.3	47.4	42.1	35.1	21.1B	29.5B	15
16	14.0B	14.2B	15.7B	20.4B	40.2	37.5	40.4	47.2	41.4	33.4	20.7B	29.5B	16
17	14.0B	14.5B	15.6B	22.1B	41.2	37.0	39.7	46.8	41.1	36.8	20.4B	29.7B	17
18	14.3B	14.5B	15.6B	24.2B	40.7	36.7	39.6	47.5	41.0	36.2	20.3B	29.8B	18
19	14.1B	14.5B	15.5B	26.4B	39.9	36.5	40.1	46.7	39.8	35.7	20.2B	29.7B	19
20	14.2B	14.6B	15.6B	29.0B	40.6	35.6	38.3	45.5	39.7	35.0	20.1B	29.9B	20
21	14.2B	14.8B	15.7B	32.0B	40.5	35.9	35.5	45.8	40.2	34.1	20.0B	29.7B	21
22	14.3B	14.7B	15.8B	35.3B	40.1	36.1	38.3	46.0	40.5	31.5	20.0B	29.4B	22
23	14.6B	14.5B	15.9B	38.5B	37.5	35.5	41.1	46.0	40.0	33.3	20.0B	29.5B	23
24	14.7B	14.5B	16.2B	42.9B	37.0	35.0	40.6	45.7	39.9	33.7	20.0B	29.5B	24
25	15.0B	14.4B	15.9B	43.1B	31.7	34.7	39.3	45.3	40.3	33.3	20.2B	29.4B	25
26	15.1B	14.2B	15.2B	38.0B	28.9	34.5	39.1	44.9	39.0	33.1	20.6B	28.8B	26
27	15.2B	14.3B	16.0B	33.6B	27.8	33.8	38.5	42.8	37.8	34.1	20.8B	27.0B	27
28	15.2B	14.3B	16.2B	32.1B	28.3A	34.3	37.7	45.4	37.6	32.9	21.2B	28.4B	28
29	15.2B		16.7B	33.0	28.0E	33.3	36.6	44.7	39.6	34.8	21.5B	29.0B	29
30	15.1B		16.4B	32.8	27.9E	32.2	36.6	43.8	39.0	34.9	22.0B	29.2B	30
31	15.2B		16.1B		27.7E		35.3	44.9		33.6		29.7B	31
TOTAL	437.1	410.0	474.8	725.9	1 105.9	1 056.7	1 124.4	1 479.1	1 256.7	1 109.5	682.2	617.9	TOTAL
MEAN	14.1	14.6	15.3	24.2	35.7	35.2	36.3	47.7	41.9	35.8	22.7	19.9	MEAN
MAX	15.2	15.3	16.7	43.1	41.2	39.1	41.1	63.0	46.5	39.8	33.6	32.5	MAX
MIN	13.2	14.2	14.2	15.6	27.7	27.5	31.1	35.2	37.6	31.5	20.0	17.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.7
MAXIMUM DAILY, 63.0 ON AUG 5
MINIMUM DAILY, 13.2B ON JAN 2
MAXIMUM INSTANTANEOUS,
64.9 AT 23:43 MST ON AUG 4

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 39 N
LONG 114 35 26 W
DRAINAGE AREA, 18 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 800	JUL	97 100
FEB	35 400	AUG	128 000
MAR	41 000	SEP	109 000
APR	62 700	OCT	95 900
MAY	95 500	NOV	58 900
JUN	91 300	DEC	53 400

TOTAL DISCHARGE, 906 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MEMAGHIES BRIDGE - STATION NO. 05AB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	12.1	10.1	15.2	16.1	11.2	0.056	BA	---	1
2	---	---	---	0	12.6	12.1	15.3	16.3	10.7	0.816	BE	---	2
3	---	---	---	0	13.1	13.3	15.2	16.1	10.3	0.004	BE	---	3
4	---	---	---	0	13.2	14.8	15.2	16.2	10.1	0.003	BE	---	4
5	---	---	---	0	13.3	15.1	15.1	16.2	10.7	0	BE	---	5
6	---	---	---	0	13.4	15.1	15.0	16.3	12.7	0	BE	---	6
7	---	---	---	0	13.6	13.8	14.9	16.1	11.3	0	BE	---	7
8	---	---	---	0	13.6	12.6	15.1	15.5	10.4	0	BE	---	8
9	---	---	---	0	13.1	13.2	15.0	15.4	9.82	0	BE	---	9
10	---	---	---	0	13.4	12.3	15.0	16.5	9.42	0	BE	---	10
11	---	---	---	0	13.4	9.70	15.0	17.4	10.0	0	BE	---	11
12	---	---	---	0	13.3	9.75	15.1	16.3	11.1	0	BE	---	12
13	---	---	---	0	14.2	9.79	15.3	16.6	11.6	0	BE	---	13
14	---	---	---	0	13.9	10.4	15.4	16.7	11.7	0	BE	---	14
15	---	---	---	0	13.4	11.0	15.3	16.6	11.4	0	BE	---	15
16	---	---	---	0	13.7	11.9	15.3	16.4	11.0	0	BE	---	16
17	---	---	---	0	14.3	13.3	15.4	15.7	10.8	0	BE	---	17
18	---	---	---	0	15.0	14.9	15.4	14.7	10.6	0	BE	---	18
19	---	---	---	0	13.8	15.2	15.5	13.8	10.1	0	BE	---	19
20	---	---	---	0	11.9	15.2	15.5	13.2	9.89	0	BE	---	20
21	---	---	---	0.649	8.99	15.6	15.6	12.5	9.73	0	BE	---	21
22	---	---	---	1.93	6.85	15.4	15.5	12.7	9.78	0	BE	---	22
23	---	---	---	2.07	6.83	15.5	15.5	12.2	9.65	0	BE	---	23
24	---	---	---	2.24	6.61	15.3	15.6	12.2	9.48	0	BE	---	24
25	---	---	---	2.25	7.34	15.5	15.6	12.2	9.25	0	BE	---	25
26	---	---	---	3.41	8.40	15.5	15.6	12.0	9.44	0	BE	---	26
27	---	---	---	6.28	9.00	15.4	15.7	13.0	11.0	0	BE	---	27
28	---	---	---	9.27	7.13	15.4	15.8	12.9	11.1	0	BE	---	28
29	---		BA	10.9	6.96	15.3	16.1	11.9	4.12	0	BE	---	29
30	---		0	11.6	6.99	15.4	16.2	11.5	0.501	0	BE	---	30
31	---		0		7.84		16.1	11.5		0		---	31
TOTAL	---	---	---	50.599	350.24	407.84	477.6	452.7	298.881	0.879	0	---	TOTAL
MEAN	---	---	---	1.69	11.3	13.6	15.4	14.6	9.96	0.003	0	---	MEAN
MAX	---	---	---	11.6	15.0	15.6	16.2	17.4	12.7	0.056	0	---	MAX
MIN	---	---	---	0	6.61	9.70	14.9	11.5	0.501	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.35
MAXIMUM DAILY, 17.4 ON AUG 11
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 39 N
LONG 113 33 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41 300
FEB	---	AUG	28 100
MAR	---	SEP	25 900
APR	4 370	OCT	6.03
MAY	30 300	NOV	0
JUN	35 200	DEC	---

TOTAL DISCHARGE, 176 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KIPP OUTFLOW - STATION NO. 05AC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	----	0	5.96	13.4	9.55	4.66	0.480E	----	----	1
2	----	----	----	----	0	5.98	9.07	9.61	4.71	0.480E	----	----	2
3	----	----	----	----	0	6.00	3.90	10.1	4.89	0.480E	----	----	3
4	----	----	----	----	0	7.05	5.03	11.5	5.27	0.480E	----	----	4
5	----	----	----	----	0	7.50	5.11	10.8	5.28	0.480E	----	----	5
6	----	----	----	----	0	7.18	5.10	9.49	5.66	0.480E	----	----	6
7	----	----	----	----	0	6.14	5.16	9.03	5.76	0.480E	----	----	7
8	----	----	----	----	0	5.12	5.20	9.07	6.38	0.480E	----	----	8
9	----	----	----	----	0	4.44	5.22	8.81	6.25	0.480E	----	----	9
10	----	----	----	----	0	4.18	5.29	8.64	6.16	0.480E	----	----	10
11	----	----	----	----	0	3.63	6.02	8.76	6.14	0.480E	----	----	11
12	----	----	----	----	0	3.63	8.25	8.25	6.08	2.46	----	----	12
13	----	----	----	----	0	3.64	8.66	7.81	6.07	2.44	----	----	13
14	----	----	----	----	0	3.78	10.0	7.76	5.89	2.03	----	----	14
15	----	----	----	----	0	4.71	11.2	7.85	6.25	1.75	----	----	15
16	----	----	----	----	0	5.72	11.5	7.45	6.50	1.69	----	----	16
17	----	----	----	----	1.00 E	6.75	11.6	6.96	6.49	1.68	----	----	17
18	----	----	----	----	0.500E	6.73	11.2	6.98	6.40	1.48	----	----	18
19	----	----	----	----	1.00 E	6.75	9.97	6.98	6.36	1.24	----	----	19
20	----	----	----	----	1.66	7.52	10.1	6.98	6.26	0.500E	----	----	20
21	----	----	----	----	1.81	10.2	9.65	7.00	6.17	0	----	----	21
22	----	----	----	----	1.67	11.8	8.88	7.09	5.99	0	----	----	22
23	----	----	----	----	1.68	12.7	8.60	7.11	5.94	0	----	----	23
24	----	----	----	----	2.35	13.3	8.38	6.94	6.66	0	----	----	24
25	----	----	----	----	5.09	14.3	8.35	6.71	6.96	0	----	----	25
26	----	----	----	----	5.86	14.5	8.06	6.37	6.92	0	----	----	26
27	----	----	----	----	6.04	14.9	8.06	5.79	6.60	0	----	----	27
28	----	----	----	----	5.06	15.6	8.08	5.54	5.87	0	----	----	28
29	----		----	----	5.06	15.6	8.21	5.56	4.88	0	----	----	29
30	----		----	----	5.09	15.5	8.98	5.05	2.00E	0	----	----	30
31	----		----		5.47		9.54	4.72		0		----	31
TOTAL	----	----	----	----	47.388	251.99	251.77	240.89	175.45	19.870	----	----	TOTAL
MEAN	----	----	----	----	1.53	8.40	8.12	7.74	5.85	0.641	----	----	MEAN
MAX	----	----	----	----	5.47	15.6	13.4	11.5	6.96	2.46	----	----	MAX
MIN	----	----	----	----	0	3.63	3.90	4.72	2.00	0	----	----	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.36
MAXIMUM DAILY, 15.6 ON JUN 28
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 00 N
LONG 112 56 15 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	21 800
FEB	----	AUG	20 700
MAR	----	SEP	15 200
APR	----	OCT	1 720
MAY	4 090	NOV	----
JUN	21 800	DEC	----

TOTAL DISCHARGE, 85 300 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW NOBARCH HEADGATES - STATION NO. 05AC029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	0	10.8	3.24	8.01	4.06	7.87	0	----	----	1
2	----	----	----	0	11.1	4.48	8.57	4.07	7.79	0	----	----	2
3	----	----	----	0	11.7	6.09	8.31	4.12	7.38	0	----	----	3
4	----	----	----	0	12.2	6.74	8.36	4.24	6.74	0	----	----	4
5	----	----	----	0	12.5	7.69	8.59	4.50	6.81	0	----	----	5
6	----	----	----	0	12.7	8.38	9.19	4.82	7.73	0	----	----	6
7	----	----	----	0	13.0	8.63	9.10	4.94	8.79	0	----	----	7
8	----	----	----	0	13.1	7.98	8.92	4.82	7.83	0	----	----	8
9	----	----	----	0	13.0	7.61	8.64	5.06	6.91	0	----	----	9
10	----	----	----	0	12.9	7.82	8.19	5.38	6.11	0	----	----	10
11	----	----	----	0	13.2	6.93	8.13	6.18	5.77	0	----	----	11
12	----	----	----	0	13.0	5.36	7.94	7.40	6.21	0	----	----	12
13	----	----	----	0	13.1	5.50	6.98	7.99	6.98	0	----	----	13
14	----	----	----	0	13.8	5.31	5.97	8.45	6.81	0	----	----	14
15	----	----	----	0	13.5	4.63	5.93	8.64	6.41	0	----	----	15
16	----	----	----	0	13.2	4.12	5.81	9.26	5.95	0	----	----	16
17	----	----	----	0	11.9	4.63	5.12	9.69	5.61	0	----	----	17
18	----	----	----	0	12.2	5.51	5.06	9.91	5.37	0	----	----	18
19	----	----	----	0	12.6	6.56	4.75	9.88	5.21	0	----	----	19
20	----	----	----	0	11.1	7.19	4.24	7.92	4.74	0	----	----	20
21	----	----	----	0	9.33	7.89	3.52	7.04	3.98	0	----	----	21
22	----	----	----	0	6.78	8.11	1.97	6.89	3.72	0	----	----	22
23	----	----	----	0	5.37	8.97	1.41	7.26	3.56	0	----	----	23
24	----	----	----	1.00E	5.33	8.48	1.24	7.24	3.24	0	----	----	24
25	----	----	----	2.00E	4.15	8.05	1.94	7.04	3.13	0	----	----	25
26	----	----	----	3.00E	4.89	8.19	2.21	7.05	3.12	0	----	----	26
27	----	----	----	5.00E	5.30	8.11	2.18	7.12	3.24	0	----	----	27
28	----	----	----	5.07	4.99	8.02	2.34	7.76	4.36	0	----	----	28
29	----		----	8.70	4.40	7.91	2.43	7.78	4.93	0	----	----	29
30	----		----	9.98	4.07	7.85	3.22	7.39	3.00E	0	----	----	30
31	----		----		3.28		4.06	7.51		0		----	31
TOTAL	----	----	----	35.07	307.59	207.18	172.33	210.41	169.13	0	----	----	TOTAL
MEAN	----	----	----	1.18	9.92	6.91	5.56	6.79	5.64	0	----	----	MEAN
MAX	----	----	----	9.98	13.8	9.11	9.19	9.91	6.79	0	----	----	MAX
MIN	----	----	----	0	3.28	3.24	1.24	4.06	3.00	0	----	----	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.15
MAXIMUM DAILY, 13.8 ON MAY 14
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 113 11 00 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	16 900
FEB	----	AUG	16 200
MAR	----	SEP	14 600
APR	3 060	OCT	0
MAY	26 600	NOV	----
JUN	17 900	DEC	----

TOTAL DISCHARGE, 95 300 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.188B	0.158B	0.113B	0.088B	0.132	0.971	1.97	1.82	1.37	0.984	0.523	0.389B	1
2	0.187B	0.157B	0.112B	0.085B	0.132	1.12	1.61	1.84	1.29	0.789	0.510	0.387B	2
3	0.186B	0.156B	0.110B	0.082B	0.127	1.33	1.54	1.84	1.27	0.779	0.500B	0.384B	3
4	0.185B	0.155B	0.109B	0.079B	0.107	1.55	1.49	1.85	1.38	0.688	0.493	0.381B	4
5	0.184B	0.153B	0.108B	0.076B	0.169	1.72	1.46	1.78	1.77	0.726	0.485	0.380B	5
6	0.183B	0.151B	0.106B	0.073B	0.201	1.77	1.45	1.65	1.78	0.683	0.457	0.384B	6
7	0.182B	0.150B	0.105B	0.074B	0.260	1.76	1.39	1.58	1.52	0.639	0.443B	0.384B	7
8	0.181B	0.149B	0.103B	0.074B	0.358	1.69	1.37	1.52	1.52	0.969	0.435B	0.382B	8
9	0.179B	0.147B	0.102B	0.075B	0.241	1.69	1.39	1.49	1.08	1.69	0.425B	0.380B	9
10	0.160B	0.146B	0.102B	0.075B	0.259	2.19	1.43	1.45	0.725	1.45	0.415B	0.378B	10
11	0.158B	0.144B	0.103B	0.076B	0.377	2.22	1.38	1.45	0.583	1.31	0.407B	0.378B	11
12	0.140B	0.143B	0.104B	0.076B	0.628	2.33	1.35	1.48	0.586	1.14	0.399B	0.376B	12
13	0.128B	0.142B	0.104B	0.077B	0.595	2.43	1.51	1.49	0.583	1.02	0.391B	0.372B	13
14	0.138B	0.140B	0.103B	0.060B	0.384	2.54	1.54	1.45	0.600	1.08	0.383B	0.370B	14
15	0.132B	0.139B	0.106B	0.046A	0.392	2.49	1.49	1.48	0.558	1.13	0.375B	0.368B	15
16	0.134B	0.138B	0.107B	0.050	0.419	2.39	1.45	1.29	0.564	1.01	0.367B	0.365B	16
17	0.136B	0.136B	0.107B	0.064	0.491	2.23	1.40	1.17	0.581	0.982	0.359B	0.364B	17
18	0.138B	0.134B	0.102B	0.067	0.787	2.01	1.35	1.17	1.10	0.897	0.351B	0.363B	18
19	0.140B	0.132B	0.097B	0.059	0.912	1.91	1.35	1.26	1.46	0.828	0.343B	0.363B	19
20	0.143B	0.130B	0.092B	0.058	0.886	1.85	1.69	1.22	1.39	0.765	0.335B	0.362B	20
21	0.147B	0.128B	0.087B	0.060	0.931	1.77	2.17	1.27	1.32	0.723	0.330B	0.362B	21
22	0.150B	0.126B	0.082B	0.187	0.988	1.74	2.07	1.24	1.23	0.713	0.325B	0.361B	22
23	0.153B	0.124B	0.078B	0.166	1.01	1.73	1.89	1.25	1.15	0.704	0.320B	0.360B	23
24	0.157B	0.122B	0.081B	0.178	0.985	1.71	1.89	1.24	1.09	0.697	0.315B	0.359B	24
25	0.160B	0.120B	0.084B	0.119	1.02	1.97	2.04	1.26	0.985	0.684	0.309B	0.358B	25
26	0.164B	0.119B	0.087B	0.156	1.88	2.05	2.08	1.30	0.856	0.684	0.307B	0.356B	26
27	0.169B	0.117B	0.090B	0.164	1.03	2.10	2.06	1.47	0.968	0.637	0.305B	0.356B	27
28	0.167B	0.115B	0.093B	0.147	0.952	2.16	1.93	1.92	0.956	0.574	0.304B	0.356B	28
29	0.165B		0.097B	0.136	0.926	2.12	1.89	1.73	0.992	0.541	0.303B	0.356B	29
30	0.162B		0.094B	0.133	0.913	2.30	1.89	1.62	0.882	0.527	0.302B	0.356B	30
31	0.160B		0.091B		0.914		1.86	1.48		0.530B		0.356B	31
TOTAL	4.931	3.871	3.061	2.860	18.506	57.841	51.38	45.93	31.969	26.257	11.517	8.393	TOTAL
MEAN	0.159	0.138	0.099	0.095	0.597	1.93	1.66	1.48	1.07	0.847	0.384	0.271	MEAN
MAX	0.188	0.158	0.113	0.187	1.88	2.54	2.17	1.92	1.77	1.60	0.522	0.389	MAX
MIN	0.128	0.115	0.078	0.046	0.107	0.971	1.34	1.17	0.558	0.527	0.302	0.256	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.730
MAXIMUM DAILY, 2.54 ON JUN 14
MINIMUM DAILY, 0.046A ON APR 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 113 52 07 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	426	JUL	4 440
FEB	334	AUG	3 970
MAR	264	SEP	2 760
APR	247	OCT	2 270
MAY	1 600	NOV	995
JUN	5 000	DEC	725

TOTAL DISCHARGE, 23 000 dam³

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.015B	---	---	---	5.70	1.33	1.79A	1.83	0.787A	---	1
2	---	---	0.010B	---	---	---	7.19	1.30	1.76	1.84	---	---	2
3	---	---	0.007B	---	---	---	5.97	0.990	1.76	1.84	---	---	3
4	---	---	0.006B	---	---	---	4.27	1.07	1.69	1.69	---	---	4
5	0.002B	---	0.006B	---	---	---	3.57	1.08	1.69	1.58	---	---	5
6	---	---	0.004B	---	---	---	3.98	1.15	1.73	1.43	---	---	6
7	---	---	0.004B	---	---	---	3.67	1.20	1.67	1.37	---	---	7
8	---	---	0.020B	---	---	---	3.28	1.20	1.61	1.34	---	---	8
9	---	---	0.045B	---	---	---	3.14	1.32	1.57	1.29	---	---	9
10	---	---	0.050B	---	0.889A	---	2.30	1.45	1.69	1.14	---	---	10
11	---	---	0.075B	---	---	4.84A	2.08	1.28	1.63	1.14	---	---	11
12	---	---	0.150B	1.76A	---	---	2.08	1.21	1.64	1.13	---	---	12
13	---	---	0.300B	---	---	---	1.63	1.12	1.63	1.61	---	---	13
14	---	---	0.500B	---	---	---	1.53	1.06	1.55	1.90	---	---	14
15	---	0 B	0.461B	---	---	---	1.54	1.02	1.35	1.76	---	---	15
16	---	---	0.365B	---	---	---	1.65	0.932	1.20	1.69	---	0.369B	16
17	---	---	0.325B	2.89A	---	---	1.91	1.07	1.13	1.67	---	---	17
18	---	---	0.330B	---	---	---	2.51	1.02	1.17	1.66	---	---	18
19	---	---	0.385B	---	---	---	1.97	1.11	1.15	1.72	---	---	19
20	---	---	0.460B	---	---	---	1.68	1.15	1.14	1.68	---	---	20
21	---	---	0.530B	---	---	---	1.47	1.18	1.08	1.65	---	---	21
22	---	---	0.619B	---	---	---	1.26	1.18	1.04	1.51	---	---	22
23	---	---	0.830B	---	---	---	1.15	1.18	1.26	1.39	---	---	23
24	---	0.003B	1.00 B	---	---	1.35A	1.10	1.43	1.62	1.38 A	---	---	24
25	0.001B	0.003B	1.15 B	---	---	1.55	1.38	1.39	1.55	1.17 B	0.366B	---	25
26	---	0.002B	1.33 B	---	---	1.54	1.60	1.49	1.76	1.11 B	---	---	26
27	---	0.005B	1.52 B	---	---	1.69	1.48	1.83	1.95	1.05 B	---	---	27
28	---	0.008B	1.75 B	---	---	1.98	1.39	1.93	2.22	0.995B	---	---	28
29	---		2.01 B	---	---	2.95	1.29	1.88	2.19	0.935B	---	---	29
30	---		2.35 B	---	---	4.52	1.48	1.90	1.98	0.885B	---	---	30
31	---		2.46 B	---	---		1.32	1.79		0.840B		---	31
TOTAL	---	---	19.057	---	---	---	72.49	48.282	47.20	43.945	---	---	TOTAL
MEAN	---	---	0.615	---	---	---	2.34	1.38	1.57	1.42	---	---	MEAN
MAX	---	---	2.46	---	---	---	7.19	1.93	2.22	1.90	---	---	MAX
MIN	---	---	0.004	---	---	---	1.10	0.932	1.04	0.840	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.19 ON JUL 2
MINIMUM DAILY, 0.004B ON MAR 6
MAXIMUM INSTANTANEOUS,
7.69 AT 08:22 MST ON JUL 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 50 N
LONG 113 07 10 W
DRAINAGE AREA, 2 770 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 260
FEB	---	AUG	3 000
MAR	1 650	SEP	4 000
APR	---	OCT	3 000
MAY	---	NOV	---
JUN	---	DEC	---

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.618B	0.681E	0.685	1.01	0.582	0.641	0.690	0.663A	---	1
2	---	---	---	0.615B	0.693E	0.703	0.834	0.683	0.652	0.687	---	---	2
3	---	---	---	0.614B	0.704E	0.712	0.804	0.638	0.660	0.689	---	---	3
4	---	---	---	0.616B	0.716E	0.725	0.771	0.614	0.676	0.695	---	---	4
5	0.519B	---	---	0.617B	0.728E	0.761	0.776	0.612	0.684	0.707	---	---	5
6	---	---	---	0.616B	0.741E	0.769	0.753	0.527	0.662	0.718	---	---	6
7	---	---	---	0.616B	0.758	0.775	0.771	0.518	0.659	0.705	---	---	7
8	---	---	---	0.622B	0.795	0.760	0.780	0.581	0.667	0.713	---	---	8
9	---	---	---	0.660B	0.796	0.761	0.795	0.613	0.646	0.718	---	---	9
10	---	---	---	0.700B	0.804	0.808	0.798	0.740	0.658	0.723	---	---	10
11	---	---	---	0.745B	0.801	0.817	0.810	0.451	0.652	0.727	---	---	11
12	---	---	---	0.785	0.790	0.778	0.832	0.442	0.663	0.731	---	---	12
13	---	---	---	0.785	0.772	0.779	0.854	0.454	0.664	0.729	---	---	13
14	---	---	---	0.701	0.767	0.803	0.865	0.466	0.657	0.743	---	---	14
15	---	0.397B	0.545B	0.648	0.765	0.764	0.828	0.498	0.631	0.739	---	---	15
16	---	---	---	0.619	0.752	0.792	0.823	0.585	0.618	0.745	---	0.619B	16
17	---	---	---	0.570	0.760	0.806	0.805	0.553	0.621	0.781	---	---	17
18	---	---	---	0.535	0.770	0.779	0.800	0.532	0.633	0.751	---	---	18
19	---	---	---	0.540E	0.734	0.741	0.795	0.515	0.631	0.690	---	---	19
20	---	---	---	0.552E	0.711	0.789	0.803	0.524	0.580	0.646	---	---	20
21	---	---	---	0.563E	0.713	0.815	0.724	0.518	0.564	0.644	---	---	21
22	---	---	---	0.575E	0.715	0.785	0.685	0.541	0.627	0.638	---	---	22
23	---	---	---	0.586E	0.723	0.783	0.705	0.589	0.629	0.629	---	---	23
24	---	0.651B	---	0.598E	0.726	0.790	0.735	0.572	0.598	0.639	---	---	24
25	0.553B	---	0.616B	0.610E	0.724	0.738	0.735	0.577	0.625	0.652	0.591A	---	25
26	---	---	0.618B	0.622E	0.657	0.771	0.808	0.614	0.657	0.657	---	---	26
27	---	---	0.620B	0.634E	0.671	0.878	0.766	0.601	0.736	0.661	---	---	27
28	---	---	0.619B	0.645E	0.675	0.817	0.737	0.587	0.733	0.668	---	---	28
29	---		0.620B	0.657E	0.679	0.815	0.641	0.591	0.703	0.682	---	---	29
30	---		0.618B	0.669E	0.675	0.824	0.645	0.614	0.688	0.680	---	---	30
31	---		0.619B		0.661		0.622	0.630		0.684		---	31
TOTAL	---	---	---	18.891	22.646	23.223	24.090	17.514	19.465	21.512	---	---	TOTAL
MEAN	---	---	---	0.630	0.731	0.774	0.777	0.565	0.649	0.694	---	---	MEAN
MAX	---	---	---	0.785	0.804	0.878	1.01	0.740	0.736	0.751	---	---	MAX
MIN	---	---	---	0.535	0.657	0.685	0.622	0.442	0.564	0.629	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.690
MAXIMUM DAILY, 1.01 ON JUL 1
MINIMUM DAILY, 0.442 ON AUG 12
MAXIMUM INSTANTANEOUS,
1.66 AT 18:50 MST ON AUG 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 04 N
LONG 112 40 14 W
DRAINAGE AREA, 5 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 080
FEB	---	AUG	1 510
MAR	---	SEP	1 680
APR	1 630	OCT	1 860
MAY	1 960	NOV	---
JUN	2 010	DEC	---

TOTAL DISCHARGE, 11 180 dam³

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.584E	1.70	5.77	0.997	1.19	1.76	0.722A	---	1
2	---	---	---	---	0.584E	1.17	12.6	2.76 A	1.38	1.26	---	---	2
3	---	---	---	---	0.584A	0.940	4.87	2.97	1.27	1.05	---	---	3
4	---	---	---	---	0.669	1.09	2.54	2.85	1.67	0.940	---	---	4
5	---	---	---	---	0.742	1.68	1.83	1.77	1.93	0.920	---	---	5
6	---	---	---	---	0.756	2.29	2.58	1.29	1.90	0.963	---	---	6
7	---	---	---	---	0.775	1.95	2.46	1.11	1.90	0.954	---	---	7
8	---	---	---	---	0.833	2.02	1.82	1.06	1.56	0.912	---	---	8
9	---	---	---	---	0.882	2.42	1.78	1.01	1.35	0.825	---	---	9
10	---	---	---	---	0.865	2.16	1.64	1.06	1.51	0.831	---	---	10
11	---	---	---	---	0.849	1.84	1.69	1.35 A	1.50	0.828	---	---	11
12	---	---	---	---	0.832	1.57	1.90	1.44 E	1.58	0.988	---	---	12
13	---	---	---	---	0.842	1.72	1.71	1.36 E	1.68	1.23	---	---	13
14	---	---	---	---	0.819	1.38	1.60	1.39 E	1.69	1.27	---	---	14
15	---	---	---	---	0.798	1.56	1.86	1.43 E	1.43	1.57	---	---	15
16	---	---	---	---	0.811	1.79	2.33	1.46 E	1.63	1.59	---	---	16
17	---	---	---	---	0.814	1.79	2.07	1.40 E	1.69	1.51	---	---	17
18	---	---	---	---	0.919	1.56	2.30	1.13	1.48	1.88	---	---	18
19	---	---	---	---	1.04	1.56	2.01	1.03	1.35	2.00	---	---	19
20	---	---	---	---	0.838	1.71	1.68	1.33 A	1.47	2.08	---	---	20
21	---	---	---	---	1.16	1.86	1.45	1.40 E	1.54	2.16	---	---	21
22	---	---	---	---	1.10	1.66	1.62	1.47 E	1.56	1.39	---	---	22
23	---	---	---	---	0.919	1.84	1.36	1.51 E	1.31	0.978	---	---	23
24	---	---	---	---	0.880	1.62	1.66	1.46 E	1.45	0.754	---	---	24
25	---	---	---	---	0.883	1.29	1.39	1.38 E	1.38	0.695	---	---	25
26	---	---	---	---	0.878	1.38	1.47 E	1.44 E	1.51	0.666	---	---	26
27	---	---	---	---	1.41	1.38	1.51 E	1.46 E	1.92	0.685	---	---	27
28	---	---	---	---	1.63	1.59	1.26 E	1.40 E	2.25	0.696	---	---	28
29	---	---	---	---	1.70	1.88	1.09	1.41 E	2.31	0.667	---	---	29
30	---	---	---	---	1.60	1.84	1.10 A	1.48 A	2.12	0.673	---	---	30
31	---		---		1.41		0.736	1.37		0.663		---	31
TOTAL	---	---	---	---	29.406	49.610	71.646	45.917	48.43	35.288	---	---	TOTAL
MEAN	---	---	---	---	0.949	1.65	2.31	1.48	1.61	1.14	---	---	MEAN
MAX	---	---	---	---	1.70	2.42	12.6	2.97	2.31	2.16	---	---	MAX
MIN	---	---	---	---	0.584	0.940	0.736	0.997	1.19	0.663	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.52
MAXIMUM DAILY, 12.6 ON JUL 2
MINIMUM DAILY, 0.584E ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 112 30 30 W
DRAINAGE AREA, 9 880 km²
A - MANUAL GAUGE
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 190
FEB	---	AUG	3 970
MAR	---	SEP	4 100
APR	---	OCT	3 050
MAY	2 540	NOV	---
JUN	4 390	DEC	---

TOTAL DISCHARGE, 24 240 dam³

LITTLE ELBOW RIVER ABOVE HIRAHI CREEK - STATION NO. 05BJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.02	4.30	5.51	2.08	1.59	1.08	1.02A	---	1
2	---	---	---	---	1.11	5.11	4.95	2.05	1.57	1.08	---	---	2
3	---	---	---	---	1.13	5.37	4.60	1.98	1.52	1.08	---	---	3
4	---	---	---	---	1.05	5.68	4.32	1.96	1.74	1.08	---	---	4
5	---	---	---	---	1.02	5.78	3.98	1.86	1.70	1.77	---	---	5
6	---	---	---	---	0.981	5.17	3.61	1.88	1.66	1.73	---	---	6
7	---	---	---	---	1.00	4.28	3.58	1.79	1.59	1.71	---	---	7
8	---	---	---	---	0.988	3.83	3.40	1.75	1.59	1.63	---	---	8
9	---	---	---	---	0.996	4.36	3.32	1.76	1.57	1.59	---	---	9
10	---	---	---	---	0.992	5.56	3.27	1.75	1.62	1.55	---	---	10
11	---	---	---	---	1.08	7.02	3.32	1.76	1.55	1.58	---	---	11
12	---	---	---	---	1.14	8.78	3.18	1.81	1.56	1.52	---	---	12
13	---	---	---	---	1.16	9.56	3.03	1.79	1.55	1.56	---	---	13
14	---	---	---	---	1.25	9.82	2.99	1.88	1.49	1.48	---	---	14
15	---	---	---	---	1.42	9.78	3.09	1.81	1.48	1.54	---	---	15
16	---	---	---	---	1.86	10.1	2.87	1.77	1.47	1.58	---	---	16
17	---	---	---	---	2.48	8.86	2.68	1.73	1.48	1.58	---	---	17
18	---	---	---	---	2.83	7.87	2.60	1.71	1.55	1.58	---	---	18
19	---	---	---	---	2.59	7.94	2.56	1.69	1.60	1.48	---	---	19
20	---	---	---	---	2.46	8.20	2.64	1.68	1.59	1.46	---	---	20
21	---	---	---	---	2.73	8.11	2.57	1.64	1.56	1.50	---	---	21
22	---	---	---	---	3.23	7.79	2.52	1.64	1.53	1.52	---	---	22
23	---	---	---	---	3.65	7.29	2.42	1.64	1.50	1.55	---	---	23
24	---	---	---	---	3.89	6.42	2.36	1.65	1.48	1.58	---	---	24
25	---	---	---	---	5.20	6.34	2.26	1.64	1.46	1.51	---	---	25
26	---	---	---	---	4.54	6.08	2.20	1.69	2.03	1.45	---	---	26
27	---	---	---	---	3.47	6.04	2.17	1.64	1.94	1.43	---	---	27
28	---	---	---	---	2.82	6.45	2.16	1.65	1.92	1.45	---	---	28
29	---		---	1.03A	2.48	6.26	2.14	1.63	1.90	1.46	---	---	29
30	---		---	1.08	2.42	5.84	2.12	1.62	1.85	1.43	---	---	30
31	---		---		2.87		2.11	1.61		1.41		---	31
TOTAL	---	---	---	---	65.793	203.81	94.19	54.46	48.62	48.85	---	---	TOTAL
MEAN	---	---	---	---	2.12	6.79	3.04	1.76	1.62	1.58	---	---	MEAN
MAX	---	---	---	---	5.20	10.1	5.51	2.08	2.03	1.90	---	---	MAX
MIN	---	---	---	---	0.981	3.83	2.11	1.61	1.46	1.41	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.80
MAXIMUM DAILY, 10.1 ON JUN 16
MINIMUM DAILY, 0.981 ON MAY 6
MAXIMUM INSTANTANEOUS,
11.8 AT 20:39 MST ON JUN 13

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 42 N
LONG 114 55 00 W

A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 140
FEB	---	AUG	4 710
MAR	---	SEP	4 200
APR	---	OCT	4 230
MAY	5 680	NOV	---
JUN	17 600	DEC	---

TOTAL DISCHARGE, 44 600 dam³

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	0.012B	7.60	0.450E	0.659	0.523	0.606	0.125	---	---	1
2	---	---	0.003B	0.010B	6.86	0.480E	0.730	0.551	0.438	0.144	---	---	2
3	---	---	0.003B	0.010B	6.60	0.365E	1.07	0.549	0.361	0.147	---	---	3
4	---	---	0.003B	0.012B	5.59	0.350E	6.50	0.479	0.332	0.145	---	---	4
5	---	---	0.003B	0.014B	3.98 A	0.340E	15.6	0.484	0.306	0.140	---	---	5
6	---	---	0.003B	0.016B	2.97	0.350E	8.78	0.394	1.06	0.168	---	---	6
7	---	---	0.003B	0.019B	2.44	0.405E	4.50	0.337	0.797	0.165	---	---	7
8	---	---	0.003B	0.022B	2.06	0.370E	2.99	0.247	0.547	0.159	---	---	8
9	---	---	0.003B	0.022B	1.68	0.350E	2.38	0.197	0.343	0.145	---	---	9
10	---	---	0.003B	0.024B	1.38	0.340E	2.27	0.172	0.242	0.162	---	---	10
11	---	---	0.010B	0.038B	1.21	0.330E	2.23	0.165	0.218	0.153	---	---	11
12	---	---	0.018B	0.040B	1.07	0.320E	2.14	0.173	0.154	0.153	---	---	12
13	---	---	0.018B	0.049B	1.01	0.320E	2.00	0.190	0.121	0.181	---	---	13
14	---	---	0.018B	0.058B	1.03	0.320E	1.80 E	0.203	0.170	0.161	---	---	14
15	---	---	0.018B	0.097B	1.04	0.320E	1.90 E	0.213	0.190	0.156	---	---	15
16	---	---	0.015B	0.176B	1.03	0.320E	2.50 E	0.222	0.237	0.156	---	---	16
17	---	---	0.010B	0.319B	1.07	0.320E	2.30 E	0.240	0.241	0.187	---	---	17
18	---	---	0.010B	0.553B	1.14	0.320E	1.95 E	0.270	0.144	0.203	---	---	18
19	---	---	0.010B	0.892B	3.16	0.320E	1.67 E	0.287	0.214	0.208	---	---	19
20	---	---	0.010B	1.91 B	3.06	0.320E	1.36 E	0.294	0.225	0.210	---	---	20
21	---	---	0.012B	8.66 B	1.91	0.325E	1.30 E	0.287	0.145	0.200	---	---	21
22	---	---	0.014B	18.1 B	1.62	0.332A	1.29 E	0.237	0.078	0.195	---	---	22
23	---	---	0.016B	21.0 B	1.41	0.331	1.28 E	0.300	0.093	0.200	---	---	23
24	---	---	0.014B	24.2	1.25	0.347	1.17 E	0.343	0.083	0.203	---	---	24
25	---	---	0.014B	15.5	1.08	0.369	0.948E	0.241A	0.126	0.199	---	---	25
26	---	---	0.014B	11.7	0.901	0.386	0.770E	0.510E	0.123	0.170	---	---	26
27	---	---	0.014B	10.6	0.772	0.442	0.667A	0.625E	0.113	0.191	---	---	27
28	---	---	0.014B	10.9	0.693A	0.490	0.581	0.620E	0.093	0.192A	---	---	28
29	---		0.014B	10.1	0.650E	0.547	0.536	0.630E	0.090	0.190E	---	---	29
30	---		0.014B	8.70	0.630E	0.611	0.525	0.640E	0.118	0.190E	---	---	30
31	---		0.014B		0.560E		0.503	0.640A		0.190E		---	31
TOTAL	---	---	0.319	153.745	67.456	11.110	74.851	11.262	7.879	5.388	---	---	TOTAL
MEAN	---	---	0.010	5.12	2.18	0.370	2.41	0.363	0.263	0.174	---	---	MEAN
MAX	---	---	0.018	31.0	7.60	0.611	15.6	0.640	1.06	0.210	---	---	MAX
MIN	---	---	0.003	0.010	0.560	0.320	0.503	0.165	0.078	0.125	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.36
MAXIMUM DAILY, 31.0B ON APR 23
MINIMUM DAILY, 0.003B ON MAR 1
MAXIMUM INSTANTANEOUS,
33.5 AT 09:20 MST ON APR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 51 N
LONG 115 10 39 W
DRAINAGE AREA, 236 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 470
FEB	---	AUG	973
MAR	27.6	SEP	691
APR	13 300	OCT	466
MAY	5 830	NOV	---
JUN	960	DEC	---

TOTAL DISCHARGE, 28 700 dam³

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.050B	0.021B	0.012B	3.25 B	6.28A	9.18	9.22	5.34A	2.51A	5.08	2.13 A	0.436B	1
2	0.045B	0.021B	0.011B	7.17 B	5.06A	7.30	9.21	5.21A	2.47A	4.58	2.02	0.415B	2
3	0.043B	0.020B	0.011B	4.96 B	4.09A	5.91	9.05	5.12A	2.44A	4.54	1.92 B	0.400B	3
4	0.039B	0.020B	0.011B	3.65 B	4.78A	5.17	10.7	6.48A	2.39A	4.20	1.81 B	0.402B	4
5	0.039B	0.020B	0.010B	2.55 B	3.96A	5.02	16.2	4.45	2.33A	3.58	1.70 B	0.395B	5
6	0.038B	0.019B	0.010B	1.45 B	3.58A	5.86	25.2	4.26	2.35A	3.74	1.63 B	0.390B	6
7	0.025B	0.019B	0.010B	0.867B	3.60A	9.65	31.0	3.64	2.55A	3.32	1.52 B	0.382B	7
8	0.025B	0.019B	0.009B	1.00 B	3.76A	13.5	16.4	3.29A	2.58A	3.07	1.45 B	0.375B	8
9	0.025B	0.018B	0.009B	2.85 B	3.84A	13.8	14.0	3.36A	2.39A	3.02	1.32 B	0.368B	9
10	0.024B	0.018B	0.008B	3.90 B	5.28A	12.1	12.3	2.97A	2.26	3.06	1.23 B	0.363B	10
11	0.024B	0.018B	0.008B	5.60 B	5.68A	10.7	10.0	2.57A	2.28	2.59	1.12 B	0.355B	11
12	0.024B	0.017B	0.007B	8.71 B	5.36A	9.49	8.19	2.58A	1.96	2.28	1.06 B	0.348B	12
13	0.024B	0.017B	0.006B	10.2 B	6.45A	7.31	7.22	2.58A	2.17	2.25	0.980B	0.342B	13
14	0.024B	0.017B	0.006B	13.0 B	6.51A	5.91	9.21	2.36A	2.18	2.34	0.925B	0.333B	14
15	0.024B	0.016B	0.006B	13.9 B	6.15	5.19	7.99	2.27A	2.18	2.31	0.890B	0.328B	15
16	0.023B	0.016B	0.007B	13.8 B	6.12	4.80	7.88A	2.17A	2.28	2.26	0.845B	0.321B	16
17	0.023B	0.016B	0.015B	13.6 B	5.72	4.49	5.68A	2.07A	2.27	2.17	0.795B	0.313B	17
18	0.023B	0.015B	0.025B	12.5 B	6.80	5.13	5.15A	1.97A	2.05	2.10	0.749B	0.308B	18
19	0.023B	0.015B	0.045B	12.1 B	7.25	4.98	4.84A	1.89A	2.00	2.01	0.688B	0.304B	19
20	0.023B	0.015B	0.078B	15.9 B	5.73	4.33	5.48A	1.79A	1.94	2.00	0.640B	0.307B	20
21	0.023B	0.014B	0.108B	12.7	5.68	3.89	8.63A	1.70A	1.74	2.08	0.598B	0.315B	21
22	0.022B	0.014B	0.140B	12.3	5.16	3.73	15.5 A	1.65A	1.79	1.95	0.540B	0.330B	22
23	0.022B	0.014B	0.175B	16.5	4.89	3.87	17.8 A	1.62A	1.69	1.97	0.498B	0.348B	23
24	0.022B	0.013B	0.215B	20.3	4.28	3.82	14.1 A	1.64A	1.59	1.99	0.488B	0.365B	24
25	0.022B	0.013B	0.260B	15.4	3.72	4.01	11.3 A	1.69A	1.56	1.84	0.478B	0.380B	25
26	0.022B	0.013B	0.320B	10.2	3.52	3.68	10.1 A	1.89A	1.73	1.86	0.468B	0.395B	26
27	0.022B	0.012B	0.375B	8.41	4.06	4.10	9.63A	2.19A	1.98	1.97	0.459B	0.412B	27
28	0.021B	0.012B	0.410B	7.49	6.16	4.56	8.20A	2.51A	3.48	2.02	0.450B	0.422B	28
29	0.021B		0.475B	8.06	12.3	5.80	7.11A	2.59A	5.27	1.96	0.445B	0.428B	29
30	0.021B		0.545B	6.99	12.4	8.84	6.75A	2.57A	5.05	1.93	0.435B	0.429B	30
31	0.021B		0.875B		10.9		6.24A	2.54A		2.00A		0.427B	31
TOTAL	0.815	0.462	4.187	268.987	179.76	194.82	330.16	86.75	71.16	82.67	38.256	11.436	TOTAL
MEAN	0.026	0.017	0.135	8.96	5.80	6.49	10.7	2.80	2.37	2.66	1.01	0.369	MEAN
MAX	0.050	0.021	0.875	20.3	12.4	13.8	25.2	5.34	5.27	5.08	2.13	0.429	MAX
MIN	0.021	0.012	0.006	0.867	3.52	3.68	4.84	1.62	1.56	1.84	0.435	0.304	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.46
MAXIMUM DAILY, 25.2 ON JUL 6
MINIMUM DAILY, 0.006B ON MAR 14
MAXIMUM INSTANTANEOUS, 26.5 AT 06:00 MST ON JUL 6

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 114 08 20 W
DRAINAGE AREA, 2 560 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70.4	JUL	28 500
FEB	39.9	AUG	7 500
MAR	362	SEP	6 150
APR	23 200	OCT	7 130
MAY	15 500	NOV	2 610
JUN	16 800	DEC	988

TOTAL DISCHARGE, 109 000 dam³

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	0.190B	0.603B	1.24B	3.30	3.64	1.91	1.03	1.73	----	----	1
2	----	----	0.181B	0.552B	1.38B	2.63	3.04	1.72	0.919	1.62	----	----	2
3	----	----	0.175B	0.485B	1.58B	2.14	2.94	1.67	0.888	1.56	----	----	3
4	----	----	0.183B	0.412B	1.35B	2.12	4.67	1.61	0.878	1.67	----	----	4
5	----	----	0.190B	0.371B	1.18B	2.42	9.58	1.45	1.19	1.35	----	----	5
6	----	----	0.208B	0.352B	1.15B	4.67	7.12	1.36	1.07	1.29	----	----	6
7	----	----	0.212B	0.343B	1.52B	7.61	6.15	1.28	0.924	1.35	----	----	7
8	----	----	0.227B	0.349B	1.31B	6.70	6.38	1.23	0.822	1.18	----	----	8
9	----	----	0.270B	0.375B	1.24B	5.33	5.52	1.17	0.763	1.08	----	----	9
10	----	----	0.310B	0.465B	2.30B	4.92	4.54	1.12	0.877	1.02	----	----	10
11	----	----	0.340B	0.620B	3.06	4.14	3.78	1.05	1.08	1.01	----	----	11
12	----	----	0.356B	2.92 B	2.93	3.37	3.40	1.06	0.932	0.979	----	----	12
13	----	----	0.348B	3.20 B	2.57	2.81	3.48	1.07	0.916	0.953	----	----	13
14	----	----	0.331B	1.76 B	2.18	2.60	3.14	1.07	0.862	0.938	----	----	14
15	----	----	0.315B	0.847B	1.85	2.30	2.59	1.07	0.837	0.921	----	----	15
16	----	----	0.285B	1.03 B	2.44	3.00	2.36	1.02	0.853	0.917	----	----	16
17	----	----	0.268B	1.42 B	2.58	3.47	2.28	0.958	0.825	0.899	----	----	17
18	----	----	0.275B	1.53 B	2.15	2.74	2.07	0.893	0.778	0.896	----	----	18
19	----	----	0.323B	1.98 B	2.97	2.31	1.93	0.844	0.720	0.852B	----	----	19
20	----	----	0.379B	2.59 B	2.43	2.26	3.44	0.813	0.711	0.806B	----	----	20
21	----	----	0.420B	3.41 B	1.88	2.15	7.14	0.848	0.676	0.759B	----	----	21
22	----	----	0.445B	4.64 B	1.67	1.94	6.72	0.803	0.675	0.713	----	----	22
23	----	----	0.440B	4.63 B	1.53	2.11	6.67	0.816	0.665	0.676	----	----	23
24	----	----	0.400B	3.77 B	1.48	2.22	5.42	0.823	0.658	0.667	----	----	24
25	----	----	0.398B	3.66 B	1.26	2.13	5.27	0.804	0.656	0.618	----	----	25
26	----	----	0.440B	1.35 B	1.26	1.96	3.96	1.19	1.51	0.565	----	----	26
27	----	----	0.480B	1.43 B	2.53	2.28	3.15	1.35	3.06	0.529	----	----	27
28	----	----	0.590B	1.29 B	5.86	4.26	2.68	1.22	2.32	0.487B	----	----	28
29	----		0.683B	1.23 B	6.37	4.59	2.36	1.11	2.15	0.478B	----	----	29
30	----		0.680B	1.19 B	5.17	4.60	2.12	1.11	1.95	0.478B	----	----	30
31	----		0.651B		4.26		1.96	1.19		0.478B		----	31
TOTAL	----	----	10.977	47.784	73.39	98.96	130.76	35.570	31.931	29.125	----	----	TOTAL
MEAN	----	----	0.354	1.59	2.38	3.30	4.02	1.15	1.06	0.940	----	----	MEAN
MAX	----	----	0.683	4.64	6.37	7.61	9.58	1.91	3.06	1.73	----	----	MAX
MIN	----	----	0.175	0.343	1.10	1.94	1.93	0.803	0.656	0.470	----	----	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 9.58 ON JUL 5
MINIMUM DAILY, 0.175B ON MAR 3
MAXIMUM INSTANTANEOUS, 10.1 AT 07:31 MST ON JUL 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 41 N
LONG 114 04 19 W
DRAINAGE AREA, 651 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	10 800
FEB	----	AUG	3 070
MAR	948	SEP	2 760
APR	4 130	OCT	2 530
MAY	6 250	NOV	----
JUN	8 850	DEC	----

TOTAL DISCHARGE, 39 000 dam³

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.98B	3.10B	30.3	49.8	11.3	34.6	37.8	30.8	---	---	1
2	---	---	2.95B	3.04B	25.7	48.7	11.8	35.3	33.9	23.5	---	---	2
3	---	---	2.92B	3.00B	38.9	47.6	10.6	111	33.1	21.0	---	---	3
4	---	---	2.90B	3.00B	52.9	45.5	23.6	152	29.8	20.5	---	---	4
5	---	---	2.89B	2.91B	51.4	48.1	129	156	28.1	19.3	---	---	5
6	---	---	2.90B	2.95B	56.4	46.5	193	136	26.9	18.3	---	---	6
7	---	---	2.92B	3.12B	63.3	52.6	158	108	33.6	16.7	---	---	7
8	---	---	2.98B	3.16B	65.5	53.1	127	88.7	32.2	15.1	---	---	8
9	---	---	3.00B	3.24B	72.7	63.3	103	58.0	31.2	14.4	---	---	9
10	---	---	3.10B	3.26B	86.1	63.9	93.7	48.0	28.9	13.9	---	---	10
11	---	---	3.20B	3.34B	106	60.0	68.0	44.2	26.6	13.4	---	---	11
12	---	---	3.30B	3.36B	122	38.6	53.7	56.8	25.5	11.7	---	---	12
13	---	---	3.40B	3.38B	138	37.0	65.7	67.8	23.8	10.7	---	---	13
14	---	---	3.50B	3.54B	149	29.4	69.0	62.8	23.0	11.9	---	---	14
15	---	---	3.60B	3.62B	163	25.2	138	61.3	21.5	11.6	---	---	15
16	---	---	3.54B	3.46B	162	22.2	381	37.0	20.5	11.2	---	---	16
17	---	---	3.50B	3.46B	159	20.3	388	47.1	19.5	11.1	---	---	17
18	---	---	3.50B	3.46B	158	17.4	321	48.9	19.3	10.8	---	---	18
19	---	---	3.44B	3.54B	156	15.8	238	45.3	17.7	10.4	---	---	19
20	---	---	3.38B	3.60B	151	14.6	158	42.3	16.4	10.1	---	---	20
21	---	---	3.54B	3.74B	139	13.5	103	38.6	15.2	9.85	---	---	21
22	---	---	3.58B	3.65B	130	12.6	98.4	35.6	14.9	9.80	---	---	22
23	---	---	3.48B	3.60B	112	12.9	89.4	34.1	14.4	8.69	---	---	23
24	---	---	3.40B	3.78B	104	13.1	77.6	33.2	13.9	8.32	---	---	24
25	---	---	3.30B	4.03B	89.0	12.3	67.2	30.0	13.4	8.69	---	---	25
26	---	---	3.42B	5.09B	95.8	11.3	66.7	38.1	13.3	13.1	---	---	26
27	---	---	3.30B	6.41B	86.6	10.7	57.7	39.2	12.7	13.1	---	---	27
28	---	---	3.16B	6.81B	90.5	10.2	49.6	39.9	12.7	12.6	---	---	28
29	---		3.12B	9.28B	74.2	9.98	42.3	40.7	14.5	11.0	---	---	29
30	---		3.14B	15.4 B	64.1	11.0	34.9	40.8	19.3	12.3	---	---	30
31	---		3.06B		55.2		28.7	40.9		13.0		---	31
TOTAL	---	---	100.36	128.97	3 051.6	849.18	3 427.9	1 748.8	672.6	416.05	---	---	TOTAL
MEAN	---	---	3.24	4.30	98.4	28.3	111	56.4	22.4	13.4	---	---	MEAN
MAX	---	---	3.60	15.4	163	53.1	388	156	37.8	23.5	---	---	MAX
MIN	---	---	2.89	2.91	24.3	9.98	11.3	24.6	12.7	8.32	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.4
MAXIMUM DAILY, 388 ON JUL 17
MINIMUM DAILY, 2.89B ON MAR 5
MAXIMUM INSTANTANEOUS,
445E AT 21:00 MST ON JUL 16

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 44 24 N
LONG 117 10 46 W
DRAINAGE AREA, 3 000 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	296 000
FEB	---	AUG	151 000
MAR	8 670	SEP	58 100
APR	11 100	OCT	35 900
MAY	264 000	NOV	---
JUN	73 400	DEC	---

TOTAL DISCHARGE, 898 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.25B	1.73B	2.12B	2.92B	93.6	101	16.3	63.6	72.0	28.6	15.9 B	9.74B	1
2	1.25B	1.35B	2.29B	2.98B	107	88.1	16.0	86.9	79.2	26.4	15.9 B	9.52B	2
3	1.27B	1.48B	2.50B	3.90B	119	77.1	16.3	228	75.0	31.3	14.2 B	9.43B	3
4	1.31B	1.64B	2.66B	3.92B	143	74.9	18.4	585	65.7	32.4	9.95B	9.24B	4
5	1.32B	1.86B	2.80B	3.05B	173	73.2	20.4	663	58.0	31.6	11.3 B	8.98B	5
6	1.30B	1.75B	3.00B	3.15B	159	72.4	148	516	51.8	29.7	12.3 B	8.72B	6
7	1.27B	1.72B	3.20B	3.25B	162	70.2	256	391	49.2	28.2	11.6 B	8.58B	7
8	1.24B	1.70B	3.30B	3.35B	178	72.9	233	294	54.5	27.4	10.0 B	8.38B	8
9	1.26B	1.69B	3.41B	3.35B	176	79.4	198	218	57.4	26.0	9.34B	8.07B	9
10	1.28B	1.94B	3.52B	3.35B	172	76.4	151	166	55.5	24.9	7.86B	7.83B	10
11	1.26B	1.63B	3.65B	3.40B	179	70.2	127	131	52.2	23.2	8.38B	7.48B	11
12	1.26B	1.61B	3.75B	3.50B	206	65.2	107	110	50.8	21.8	8.35B	6.99B	12
13	1.26B	1.56B	3.84B	3.50B	235	60.6	89.1	110	49.1	20.7	8.28B	6.51B	13
14	1.24B	1.54B	3.87B	3.48B	248	56.9	73.5	113	46.8	20.0	7.86B	6.19B	14
15	1.22B	1.65B	3.83B	3.50B	252	51.2	68.3	98.8	45.0	19.3	8.01B	5.91B	15
16	1.25B	1.80B	3.70B	3.50B	258	45.9	165	88.1	42.5	18.9	8.72B	5.83B	16
17	1.36B	1.87B	3.64B	3.60B	261	41.9	514	86.0	40.1	18.8	8.01B	5.83B	17
18	1.40B	1.92B	3.75B	3.70B	266	38.6	508	97.8	37.0	19.0	7.94B	5.81B	18
19	1.37B	1.95B	3.70B	3.80B	265	35.0	429	105	34.3	19.2	7.60B	5.76B	19
20	1.35B	1.93B	3.57B	3.88B	269	31.0	343	97.3	31.8	19.2	7.45B	5.75B	20
21	1.40B	1.92B	3.63B	3.69B	253	27.7	258	83.6	29.7	18.2	6.99B	5.71B	21
22	1.45B	1.84B	3.30B	4.10B	219	26.7	205	71.4	27.8	16.6	7.64B	5.71B	22
23	1.50B	2.00B	3.50B	4.50B	194	22.6	185	64.4	25.8	16.3	8.36B	5.72B	23
24	1.55B	2.06B	3.35B	5.47B	178	21.2	181	53.8	24.1	18.6	9.14B	5.65B	24
25	1.60B	2.12B	3.20B	6.57B	166	20.8	164	62.1	22.8	18.7	9.32B	5.85B	25
26	1.65B	2.12B	3.10B	11.4 B	151	20.9	137	58.9	21.4	19.3	9.51B	5.61B	26
27	1.68B	2.07B	3.00B	34.7 B	151	20.1	123	57.7	20.8	20.6	9.42B	5.59B	27
28	1.65B	2.03B	2.92B	79.4	159	18.9	110	64.6	20.2	20.3	9.17B	5.57B	28
29	1.63B		2.95B	106	147	17.6	93.9	68.5	19.7	19.9B	9.76B	5.58B	29
30	1.42B		2.95B	93.5	129	16.9	80.6	68.5	19.3	17.8B	9.93B	5.35B	30
31	1.48B		2.92B		113		70.2	67.9		16.2B		5.11B	31
TOTAL	42.73	49.98	100.72	415.33	5 781.6	1 493.5	5 081.0	4 979.9	1 279.5	681.0	288.71	211.61	TOTAL
MEAN	1.38	1.79	3.25	13.8	187	49.8	164	161	42.7	22.0	9.62	6.83	MEAN
MAX	1.68	2.12	3.87	106	269	101	514	663	79.2	32.4	15.9	9.74	MAX
MIN	1.22	1.35	2.12	2.90	93.6	16.9	16.0	57.7	19.3	16.2	6.99	5.11	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 55.9
MAXIMUM DAILY, 663 ON AUG 5
MINIMUM DAILY, 1.22B ON JAN 15
MAXIMUM INSTANTANEOUS,
705 AT 21:30 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 25 N
LONG 117 09 40 W
DRAINAGE AREA, 11 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 690	JUL	439 000
FEB	4 320	AUG	436 000
MAR	8 700	SEP	111 000
APR	35 900	OCT	58 000
MAY	508 000	NOV	34 900
JUN	139 000	DEC	18 300

TOTAL DISCHARGE, 1 788 000 dam³

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0638	3.37	0.432	1.26	1.33	0.674	1.25	---	---	1
2	---	---	0 B	0.0618	2.56	0.368	1.74	1.33	0.598	1.31	---	---	2
3	---	---	0 B	0.0608	2.15	0.356	4.30	1.11	0.492	1.31	---	---	3
4	---	---	0 B	0.0588	1.81	0.338	15.0	0.883	0.488	1.55	---	---	4
5	---	---	0 B	0.0588	1.61	0.578	33.7	0.732	1.02	1.71	---	---	5
6	---	---	0 B	0.0608	1.41	1.28	35.3	0.595	1.48	1.55	---	---	6
7	---	---	0 B	0.0618	1.34	1.45	25.6	0.488	1.69	1.35	---	---	7
8	---	---	0 B	0.0638	1.14	1.20	16.6	0.407	1.31	1.16	---	---	8
9	---	---	0 B	0.0658	0.951	0.999	12.3	0.339	0.875	1.01	---	---	9
10	---	---	0 B	0.0678	0.827	0.901	10.4	0.303	0.602	0.907	---	---	10
11	---	---	0.001B	0.0698	0.884	0.827	8.35	0.328	0.462	0.860	---	---	11
12	---	---	0.002B	0.0708	0.733	0.807	5.95	0.373	0.422	0.801	---	---	12
13	---	---	0.003B	0.0698	0.672	0.583	4.05	0.385	0.360	0.708	---	---	13
14	---	---	0.004B	0.0698	0.675	0.402	3.11	0.411	0.325	0.735	---	---	14
15	---	---	0.005B	0.0718	0.888	0.315	3.48	0.663	0.803	0.728	---	---	15
16	---	---	0.006B	0.0728	0.858	0.276	4.91	0.925	0.771	0.699	---	---	16
17	---	---	0.007B	0.0748	1.06	0.281	4.96	0.873	0.718	0.684	---	---	17
18	---	---	0.011B	0.0698	1.28	0.275	3.80	0.654	0.751	0.653	---	---	18
19	---	---	0.013B	0.6208	2.29	0.261	2.60	0.477	0.775	0.621	---	---	19
20	---	---	0.018B	3.08 B	2.53	0.227	1.95	0.361	0.913	0.602	---	---	20
21	---	---	0.021B	10.7	2.01	0.201	2.01	0.291	1.03	0.562	---	---	21
22	---	---	0.027B	13.4	1.48	0.203	3.08	0.372	1.09	0.523	---	---	22
23	---	---	0.032B	19.6	1.47	0.298	6.00	0.401	1.11	0.515	---	---	23
24	---	---	0.038B	20.9	1.62	0.366	6.23	0.338	1.11	0.494	---	---	24
25	---	---	0.045B	15.4	1.32	0.489	4.58	0.432	1.14	0.481	---	---	25
26	---	---	0.071B	10.3	1.07	0.563	6.83	0.740	1.16	0.469	---	---	26
27	---	---	0.058B	7.99	0.980	0.635	10.5	1.01	1.26	0.428	---	---	27
28	---	---	0.063B	6.66	0.948	0.638	7.01	1.25	1.34	0.425A	---	---	28
29	---		0.067B	5.71	0.889	0.925	4.38	1.04	1.36	0.423E	---	---	29
30	---		0.068B	4.58	0.666	1.04	2.72	0.909	1.31	0.420E	---	---	30
31	---		0.067B		0.533		1.62	0.789		0.417E		---	31
TOTAL	---	---	0.607	120.923	41.766	17.257	254.32	20.535	27.538	25.275	---	---	TOTAL
MEAN	---	---	0.020	4.03	1.35	0.575	8.20	0.662	0.918	0.815	---	---	MEAN
MAX	---	---	0.068	20.9	3.37	1.45	35.3	1.33	1.69	1.71	---	---	MAX
MIN	---	---	0	0.060	0.533	0.201	1.26	0.291	0.360	0.417	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.07
MAXIMUM DAILY, 35.3 ON JUL 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
37.4 AT 22:34 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 20 N
LONG 114 08 50 W
DRAINAGE AREA, 241 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 000
FEB	---	AUG	1 770
MAR	52.4	SEP	2 380
APR	10 400	OCT	2 180
MAY	3 610	NOV	---
JUN	1 490	DEC	---

TOTAL DISCHARGE, 43 900 dam³

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.910B	0.720B	0.960B	1.04B	15.2	6.76	2.28	11.3	7.91	6.30	5.27	1.75 B	1
2	0.850B	0.730B	0.960B	1.04B	14.0	6.36	3.31	11.9	7.53	6.38	5.65B	1.95 B	2
3	0.780B	0.740B	0.960B	1.04B	13.0	6.64	3.61	12.0	7.20	6.44	3.88B	1.34 B	3
4	0.730B	0.740B	0.960B	1.04B	12.4	6.32	38.6	11.4	7.38	6.33	5.15B	1.33 B	4
5	0.670B	0.740B	0.960B	1.04B	12.0	6.37	51.3	10.5	10.3	6.18	4.14B	1.15 B	5
6	0.600B	0.740B	0.960B	1.04B	9.31	6.78	36.8	10.1	9.82	6.02	4.09B	1.24 B	6
7	0.550B	0.740B	0.960B	1.12B	7.65	6.84	29.7	9.88	8.22	6.02	3.53B	0.948B	7
8	0.520B	0.740B	0.960B	1.48B	8.79	6.39	25.3	9.27	7.98	6.20	3.36B	1.43 B	8
9	0.490B	0.740B	0.960B	1.55B	7.79	6.85	21.9	9.02	7.86	5.93	3.02B	1.98 B	9
10	0.470B	0.740B	0.960B	1.75B	9.56	6.87	18.7	8.81	8.01	5.79	2.96B	1.61 B	10
11	0.450B	0.740B	1.01 B	1.95B	9.84	5.88	16.3	9.29	7.96	5.74	2.53B	1.07 B	11
12	0.421B	0.740B	1.04 B	2.18B	9.48	5.60	14.7	9.21	7.62	5.71	2.62B	1.68 B	12
13	0.410B	0.740B	1.05 B	2.31B	9.42	5.32	13.5	8.88	7.28	5.66	3.06B	1.66 B	13
14	0.400B	0.740B	1.06 B	2.28B	9.39	5.09	23.2	8.58	7.00	5.71	2.89B	1.93 B	14
15	0.560B	0.740B	1.06 B	2.44B	9.26	5.08	38.3	8.46	7.39	5.52	2.86B	1.77 B	15
16	0.700B	0.820B	1.06 B	2.98B	9.48	4.83	28.4	8.55	7.13	5.88	3.09B	1.93 B	16
17	0.740B	0.870B	1.06 B	3.32B	9.87	4.58	21.9	8.86	6.88	6.16	2.62B	1.86 B	17
18	0.720B	1.06 B	1.06 B	3.49B	9.88	4.22	38.5	8.28	6.83	6.19	2.68B	1.98 B	18
19	0.700B	0.960B	1.06 B	3.91B	10.5	3.99	19.3	7.98	6.57	5.77	2.13B	1.73 B	19
20	0.690B	0.960B	1.06 B	4.47B	10.1	3.73	16.8	7.83	6.56	5.57	2.55B	1.85 B	20
21	0.680B	0.960B	1.07 B	8.03B	9.75	3.64	16.8	7.96	6.58	5.58	2.09B	1.91 B	21
22	0.680B	0.954B	1.07 B	17.2 B	9.88	3.53	17.2	7.95	6.61	5.47	2.03B	1.73 B	22
23	0.680B	0.960B	1.08 B	36.2 B	10.2	3.68	16.4	7.37	6.51	5.49	2.75B	1.87 B	23
24	0.700B	0.960B	1.08 B	62.1 B	9.35	3.86	15.4	7.25	6.66	5.66	2.09B	1.54 B	24
25	0.710B	0.960B	1.09 B	36.6	8.99	3.89	14.4	7.68	6.53	5.57	2.35B	2.24 B	25
26	0.710B	0.960B	1.09 B	26.1	9.17	3.56	13.7	7.47	6.46	5.42	2.39B	1.96 B	26
27	0.710B	0.960B	1.09 B	23.1	8.34	3.51	13.2	7.16	6.32	5.39	2.11B	1.33 B	27
28	0.710B	0.960B	1.09 B	20.7	7.97	3.35	12.8	7.32	6.15	5.33	2.14B	2.52 B	28
29	0.710B		1.07 B	18.8	7.66	3.28	12.4	7.03	6.06	5.61	2.08B	2.31 B	29
30	0.710B		1.04 B	16.6	7.38	3.04	12.1	9.84	6.55	5.42	1.88B	2.37 B	30
31	0.710B		1.04 B		6.94		11.8	8.44		5.34		2.32 B	31
TOTAL	20.161	23.534	31.930	386.64	299.98	141.39	595.53	276.31	216.91	176.88	90.89	53.508	TOTAL
MEAN	0.651	0.841	1.03	9.55	9.68	4.71	19.2	8.85	7.23	5.77	3.03	1.73	MEAN
MAX	0.910	1.06	1.09	62.1	15.2	6.78	51.3	12.0	10.3	6.44	5.27	2.52	MAX
MIN	0.421	0.720	0.960	1.04	6.94	3.04	2.28	7.16	6.15	5.24	1.88	0.948	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.06
MAXIMUM DAILY, 51.3 ON JUL 5
MINIMUM DAILY, 0.421B ON JAN 12
MAXIMUM INSTANTANEOUS,
58.8 AT 03:00 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 45 N
LONG 115 06 30 W
DRAINAGE AREA, 1 570 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 740	JUL	51 500
FEB	2 030	AUG	23 700
MAR	2 760	SEP	18 700
APR	33 400	OCT	15 200
MAY	25 900	NOV	7 850
JUN	12 200	DEC	4 620

TOTAL DISCHARGE, 191 000 dam³

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.600E	10.1	0.151	0.015	0.005	0.008	---	---	1
2	---	---	---	---	0.600E	6.56	0.161	0.012	0.006	0.007	---	---	2
3	---	---	---	---	0.600E	4.89	0.168	0.010	0.005	0.005	---	---	3
4	---	---	---	---	0.600E	4.61	0.163	0.009	0.011	0.004	---	---	4
5	---	---	---	---	0.600E	3.90	0.162	0.008	0.008	0.004	---	---	5
6	---	---	---	---	0.572A	1.60	0.168	0.006	0.006	0.005	---	---	6
7	---	---	---	---	0.578	1.08	0.174	0.005	0.005	0.005	---	---	7
8	---	---	---	---	0.532	0.836	0.169	0.004	0.003	0.005	---	---	8
9	---	---	---	---	0.473	0.701	0.119	0.004	0.002	0.005	---	---	9
10	---	---	---	---	0.501	0.591	0.079	0.005	0.001	0.149	---	---	10
11	---	---	---	---	0.458	0.508	0.047	0.007	0	0.039	---	---	11
12	---	---	---	---	0.433	0.478	0.030	0.009	0	0.018	---	---	12
13	---	---	---	---	0.453	0.450	0.030	0.013	0	0.013	---	---	13
14	---	---	---	---	0.470	0.405	0.024	0.009	0	0.010	---	---	14
15	---	---	---	---	0.459	0.365	0.026	0.010	0	0.008	---	---	15
16	---	---	---	---	0.442	0.333	0.024	0.010	0.004	0.008	---	---	16
17	---	---	---	---	0.369	0.342	0.021	0.008	0.004	0.007	---	---	17
18	---	---	---	---	0.346	0.347	0.019	0.007	0.003	0.008	---	---	18
19	---	---	---	---	3.39	0.344	0.017	0.005	0.003	0.007	---	---	19
20	---	---	---	---	1.18	0.311	0.016	0.005	0.003	0.007	---	---	20
21	---	---	---	---	0.674	0.295	0.017	0.004	0.003	0.007	---	---	21
22	---	---	---	---	0.521	0.268	0.016	0.002	0.003	0.007	---	---	22
23	---	---	---	---	0.451	0.250	0.014	0	0.003	0.007	---	---	23
24	---	---	---	---	0.389	0.220	0.013	0.003	0.004	0.008	---	---	24
25	---	---	---	---	0.356	0.182	0.013	0.003	0.003	0.008A	---	---	25
26	---	---	---	---	0.337	0.153	0.012	0.004	0.003	0.008E	---	---	26
27	---	---	---	---	0.350	0.157	0.012	0.008	0.008	0.008E	---	---	27
28	---	---	---	---	0.406	0.147	0.066	0.008	0.009	0.008E	---	---	28
29	---		---	---	0.627	0.147	0.020	0.006	0.008	0.008E	---	---	29
30	---		---	---	3.23	0.154	0.015	0.006	0.008	0.008E	---	---	30
31	---		---		7.23		0.016	0.005		0.008E		---	31
TOTAL	---	---	---	---	28.227	41.924	1.982	0.210	0.119	0.407	---	---	TOTAL
MEAN	---	---	---	---	0.911	1.40	0.064	0.007	0.004	0.013	---	---	MEAN
MAX	---	---	---	---	7.23	10.1	0.174	0.015	0.011	0.149	---	---	MAX
MIN	---	---	---	---	0.337	0.147	0.012	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.396
MAXIMUM DAILY, 10.1 ON JUN 1
MINIMUM DAILY, 0 ON AUG 23

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 10 N
LONG 110 15 20 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	171
FEB	---	AUG	18.1
MAR	---	SEP	10.3
APR	---	OCT	35.3
MAY	2 440	NOV	---
JUN	3 620	DEC	---

TOTAL DISCHARGE, 6 290 dam³

LONOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0	3.68	6.88A	8.99	2.42	2.65	0	---	1
2	---	---	---	0E	0	4.04	6.88A	9.01	2.51	2.32	---	---	2
3	---	---	---	0E	0	4.93	6.88A	8.59	2.32	2.31	---	---	3
4	---	---	---	0E	0	5.13	6.79E	7.81	2.69	2.32	---	---	4
5	---	---	---	0E	0	4.79	6.70A	7.86	2.78	2.31	---	---	5
6	---	---	---	0E	0	4.88A	6.77	7.31	2.78	2.28	---	---	6
7	---	---	---	0E	0	3.88A	6.79	7.19	2.63	1.93	---	---	7
8	---	---	---	0E	0	3.96E	6.83	7.23	2.46	1.73	---	---	8
9	---	---	---	0E	0	4.04A	6.90	7.24	2.47	1.72	---	---	9
10	---	---	---	0E	0	4.04A	6.93	7.11	2.50	1.71	---	---	10
11	---	---	---	0E	0	4.04A	6.95	6.72	2.45	1.74	---	---	11
12	---	---	---	0	0	4.50E	8.93	5.99	2.46	1.74	---	---	12
13	---	---	---	0	0	5.13E	11.2	5.48	2.42	1.71	---	---	13
14	---	---	---	0	0	5.68A	11.8	5.32	2.42	1.71	---	---	14
15	---	---	---	0	0	5.77A	11.6	5.43	2.41	1.70	---	---	15
16	---	---	---	0	0	7.06A	11.6	5.39	2.40	1.59	---	---	16
17	---	---	---	0	0	7.06A	11.7	5.07	2.38	1.58	---	---	17
18	---	---	---	0	0	7.06A	11.7	4.69	2.37	1.58	---	---	18
19	---	---	---	0	0	7.06E	11.8	4.67	2.37	1.48	---	---	19
20	---	---	---	0	0	7.06E	11.8	4.75	3.18	0.736	---	---	20
21	---	---	---	0	0	7.06A	11.7	4.74	3.60	0.052	---	---	21
22	---	---	---	0	0	7.06A	11.7	4.78	4.58	0.040	---	---	22
23	---	---	---	0	1.43 A	8.73A	11.8	4.42	5.04	0.037	---	---	23
24	---	---	---	0	2.83 A	10.2 A	11.6	4.05	5.50	0.038	---	---	24
25	---	---	---	0	4.28 A	10.2 E	11.6	3.92	5.69	0.036	---	---	25
26	---	---	---	0	4.36 A	10.2 A	11.7	3.88	5.69	0.032	---	---	26
27	---	---	---	0	3.67	10.4 A	10.7	3.39	5.19	0.030	---	---	27
28	---	---	---	0	1.83	10.2 A	10.1	3.17	4.85	0.027	---	---	28
29	---		---	0	1.53	10.2 A	10.1	3.24	3.97	0.023	---	---	29
30	---		---	0	1.51	10.2 A	9.47	2.93	3.40	0.021	---	---	30
31	---		---		2.29		8.98	2.68		0.019		---	31
TOTAL	---	---	---	0	23.73	198.24	296.88	172.85	97.93	37.031	---	---	TOTAL
MEAN	---	---	---	0	0.765	6.61	9.58	5.58	3.26	1.19	---	---	MEAN
MAX	---	---	---	0	4.36	10.4	11.8	9.01	5.69	2.65	---	---	MAX
MIN	---	---	---	0	0	3.68	6.70	2.68	2.32	0.019	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.49
MAXIMUM DAILY, 11.8 ON JUL 14
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 50 N
LONG 112 39 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 700
FEB	---	AUG	16 900
MAR	---	SEP	8 460
APR	0	OCT	3 300
MAY	2 030	NOV	---
JUN	17 100	DEC	---

TOTAL DISCHARGE, 71 400 dam³

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.676B	0.945	2.01	2.41	0.980	1.37	---	---	1
2	---	---	---	---	0.846B	0.864	1.88	2.16	0.922	1.58	---	---	2
3	---	---	---	---	0.945B	0.838	3.06	2.17	0.887	2.34	---	---	3
4	---	---	---	---	1.10 B	0.821	11.7	2.09	1.13	2.23	---	---	4
5	---	---	---	---	1.02 B	1.02	26.6	1.86	1.40	1.92	---	---	5
6	---	---	---	---	1.28 B	1.33	16.0	1.65	1.18	1.78	---	---	6
7	---	---	---	---	1.42 B	1.25	10.5	1.46	1.04	1.74	---	---	7
8	---	---	---	---	1.58 B	1.27	8.74	1.33	0.905	1.64	---	---	8
9	---	---	---	---	1.35 B	1.61	6.03	1.30	0.869	1.46	---	---	9
10	---	---	---	---	1.69 B	1.67	4.80	1.25	0.959	1.42	---	---	10
11	---	---	---	---	1.90 B	1.62	4.15	1.16	0.801	1.45	---	---	11
12	---	---	---	---	1.93 B	1.33	4.16	1.14	0.931	1.54	---	---	12
13	---	---	---	---	2.12 B	1.18	4.13	1.16	0.940	1.51	---	---	13
14	---	---	---	---	1.92 B	1.11	5.00	1.14	0.832	1.42	---	---	14
15	---	---	---	---	1.85 B	1.10	9.22	1.17	0.824	1.35	---	---	15
16	---	---	---	---	1.86 B	1.06	7.34	1.26	0.845	1.30	---	---	16
17	---	---	---	---	1.91 B	0.998	4.81	1.18	0.836	1.35	---	---	17
18	---	---	---	---	2.00 B	0.944	4.56	1.04	0.797	1.03 B	---	---	18
19	---	---	---	---	2.36 B	0.935	5.41	0.945	0.760	0.943B	---	---	19
20	---	---	---	---	1.83 B	0.923	5.25	0.908	0.752	1.06 B	---	---	20
21	---	---	---	---	1.44 B	0.945	5.09	0.918	0.703	0.993B	---	---	21
22	---	---	---	---	1.07	1.01	5.33	1.17	0.668	0.965B	---	---	22
23	---	---	---	---	1.06	0.927	4.43	1.11	0.687	0.982B	---	---	23
24	---	---	---	---	0.940	0.961	4.10	0.997	0.666	0.921B	---	---	24
25	---	---	---	---	0.875	1.03	4.08	1.06	0.689	0.855B	---	---	25
26	---	---	---	---	0.983	0.973	3.75	1.23	1.09	0.822B	---	---	26
27	---	---	---	0.995B	1.26	1.07	3.36	1.26	1.38	0.833B	---	---	27
28	---	---	---	1.14 B	1.68	2.08	2.98	1.32	1.34	0.696B	---	---	28
29	---	---	---	0.883B	1.55	1.93	2.74	1.24	1.65	0.680B	---	---	29
30	---		---	0.817B	1.27	1.67	2.62	1.23	1.43	0.685B	---	---	30
31	---		---		1.10		2.42	1.15		0.695B		---	31
TOTAL	---	---	---	---	45.015	35.414	186.25	41.468	28.893	39.560	---	---	TOTAL
MEAN	---	---	---	---	1.45	1.18	6.01	1.34	0.963	1.28	---	---	MEAN
MAX	---	---	---	---	2.36	2.08	26.6	2.41	1.65	2.34	---	---	MAX
MIN	---	---	---	---	0.676	0.821	1.88	0.908	0.666	0.680	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 26.6 ON JUL 5
MINIMUM DAILY, 0.666 ON SEP 24
MAXIMUM INSTANTANEOUS,
29.0 AT 13:45 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 59 50 N
LONG 116 39 20 W
DRAINAGE AREA, 97.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 100
FEB	---	AUG	3 580
MAR	---	SEP	2 500
APR	---	OCT	3 420
MAY	3 890	NOV	---
JUN	3 060	DEC	---

TOTAL DISCHARGE, 32 600 dam³

LOWER KANANASKIS LAKE - STATION NO. 05BF009

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1666.10	1665.67	1663.17	1659.24	1653.84	1656.59	1662.20	1663.78	1664.85	1665.61	1666.55	1666.80	1
2	1666.10	1665.61	1663.05	1659.12	1653.91	1656.74	1662.17	1663.84	1664.88	1665.64	1666.59	1666.83	2
3	1666.10	1665.52	1662.87	1658.97	1653.94	1656.92	1662.20	1663.90	1664.94	1665.67	1666.62	1666.86	3
4	1666.07	1665.43	1662.71	1658.84	1653.97	1657.11	1662.17	1663.96	1664.97	1665.67	1666.62	1666.83	4
5	1666.07	1665.34	1662.53	1658.60	1654.00	1657.29	1662.23	1664.03	1665.00	1665.73	1666.68	1666.83	5
6	1666.07	1665.24	1662.32	1658.39	1653.97	1657.50	1662.20	1664.06	1665.06	1665.70	1666.68	1666.86	6
7	1666.10	1665.18	1662.18	1658.18	1654.00	1657.59	1662.17	1664.12	1665.06	1665.73	1666.71	1666.83	7
8	1666.10	1665.09	1661.92	1657.84	1654.03	1657.75	1662.17	1664.15	1665.09	1665.73	1666.74	1666.80	8
9	1666.10	1665.00	1661.80	1657.53	1654.03	1657.87	1662.26	1664.18	1665.12	1665.79	1666.74	1666.80	9
10	1666.10	1664.91	1661.71	1657.20	1654.06	1658.02	1662.35	1664.21	1665.18	1665.82	1666.74	1666.80	10
11	1666.10	1664.85	1661.71	1656.89	1654.03	1658.23	1662.47	1664.27	1665.21	1665.85	1666.71	1666.80	11
12	1666.10	1664.76	1661.71	1656.56	1654.09	1658.48	1662.44	1664.30	1665.24	1665.95	1666.65	1666.83	12
13	1666.16	1664.70	1661.68	1656.22	1654.12	1658.72	1662.59	1664.36	1665.24	1666.04	1666.62	1666.83	13
14	1666.10	1664.60	1661.65	1655.86	1654.18	1659.03	1662.68	1664.42	1665.27	1666.16	1666.59	1666.83	14
15	1666.10	1664.54	1661.50	1655.48	1654.27	1659.36	1662.78	1664.48	1665.31	1666.16	1666.59	1666.83	15
16	1666.13	1664.42	1661.31	1654.94	1654.36	1659.70	1662.87	1664.48	1665.37	1666.19	1666.62	1666.80	16
17	1666.16	1664.33	1661.16	1654.52	1654.39	1660.03	1662.93	1664.54	1665.40	1666.22	1666.62	1666.80	17
18	1666.16	1664.24	1661.04	1654.21	1654.52	1660.31	1663.02	1664.57	1665.43	1666.22	1666.65	1666.83	18
19	1666.19	1664.12	1660.92	1653.91	1654.64	1660.55	1663.08	1664.54	1665.43	1666.25	1666.68	1666.83	19
20	1666.19	1663.99	1660.79	1653.88	1654.76	1660.82	1663.17	1664.51	1665.43	1666.31	1666.74	1666.83	20
21	1666.07	1663.84	1660.64	1653.91	1654.91	1661.04	1663.23	1664.54	1665.49	1666.37	1666.77	1666.80	21
22	1666.01	1663.72	1660.46	1653.84	1655.06	1661.28	1663.29	1664.57	1665.49	1666.43	1666.80	1666.80	22
23	1665.98	1663.84	1660.37	1653.84	1655.25	1661.53	1663.35	1664.54	1665.40	1666.46	1666.80	1666.80	23
24	1665.88	1663.75	1660.25	1653.88	1655.46	1661.68	1663.45	1664.57	1665.43	1666.49	1666.77	1666.77	24
25	1665.85	1663.63	1660.12	1653.91	1655.61	1661.83	1663.51	1664.60	1665.46	1666.49	1666.77	1666.77	25
26	1665.85	1663.48	1660.00	1653.88	1655.83	1661.92	1663.54	1664.67	1665.49	1666.43	1666.77	1666.77	26
27	1665.88	1663.35	1659.88	1653.91	1656.04	1662.01	1663.60	1664.70	1665.52	1666.46	1666.74	1666.77	27
28	1665.88	1663.26	1659.76	1653.97	1656.16	1662.10	1663.66	1664.73	1665.55	1666.46	1666.77	1666.74	28
29	1665.85		1659.64	1653.94	1656.28	1662.14	1663.63	1664.76	1665.55	1666.46	1666.77	1666.74	29
30	1665.79		1659.51	1653.81	1656.41	1662.17	1663.69	1664.79	1665.58	1666.46	1666.77	1666.71	30
31	1665.76		1659.39		1656.47		1663.75	1664.82		1666.49		1666.71	31
MEAN	1666.04	1664.51	1661.22	1655.88	1654.73	1659.58	1662.87	1664.39	1665.28	1666.11	1666.70	1666.80	MEAN
MAX	1666.19	1665.67	1663.17	1659.24	1656.47	1662.17	1663.75	1664.82	1665.58	1666.49	1666.80	1666.86	MAX
MIN	1665.76	1663.26	1659.39	1653.81	1653.84	1656.59	1662.17	1663.78	1664.85	1665.61	1666.55	1666.71	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1662.83
MAXIMUM DAILY, 1666.86 ON DEC 3
MINIMUM DAILY, 1653.81 ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 20 N
LONG 115 07 30 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 17.660 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LUTOSH CREEK NEAR STEEN RIVER - STATION NO. 07OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.431B	0.480	0.030	0	0.011	0.003	---	---	1
2	---	---	0B	0 B	0.379B	0.539	0.029	0	0.012	0.003	---	---	2
3	---	---	0B	0 B	0.325B	0.550	0.029	0	0.013	0.002	---	---	3
4	---	---	0B	0 B	0.243B	0.464	0.029	0	0.013	0	---	---	4
5	---	---	0B	0 B	0.446B	0.450	0.029	0.008	0.014	0	---	---	5
6	---	---	0B	0 B	0.911B	0.420	0.029	0.009	0.016	0	---	---	6
7	---	---	0B	0 B	1.20	0.367	0.032	0.006	0.016	0	---	---	7
8	---	---	0B	0 B	1.28	0.309	0.036	0.002	0.017	0	---	---	8
9	---	---	0B	0 B	1.43	0.265	0.029	0	0.017	0	---	---	9
10	---	---	0B	0 B	2.33	0.235	0.040	0	0.025	0	---	---	10
11	---	---	0B	0 B	3.03	0.180	0.031	0	0.029	0	---	---	11
12	---	---	0B	0 B	3.27	0.167	0.004	0	0.027	0	---	---	12
13	---	---	0B	0 B	3.12	0.148	0	0	0.027	0	---	---	13
14	---	---	0B	0 B	3.06 E	0.126	0	0.008	0.026	0	---	---	14
15	---	---	0B	0 B	3.00 E	0.107	0	0.015	0.025	0	---	---	15
16	---	---	0B	0.001B	2.94 E	0.089	0	0.016	0.023	0	---	---	16
17	---	---	0B	0.002B	2.88 E	0.068	0	0.015	0.021	0	---	---	17
18	---	---	0B	0.002B	2.82 A	0.054	0	0.015	0.018	0	---	---	18
19	---	---	0B	0.003B	2.66	0.045	0	0.012	0.016	0	---	---	19
20	---	---	0B	0.005B	2.33	0.034	0.001	0.010	0.015	0	---	---	20
21	---	---	0B	0.020B	2.06	0.030	0	0.008	0.013	0	---	---	21
22	---	---	0B	0.053B	1.76	0.026	0	0.005	0.009	0	---	---	22
23	---	0B	0B	0.080B	1.55	0.029	0	0.003	0.007	0	---	---	23
24	---	0B	0B	0.120B	1.34	0.031	0	0	0.005	0	---	---	24
25	---	0B	0B	0.110B	1.13	0.030	0	0	0.007	0	---	---	25
26	---	0B	0B	0.100B	0.986	0.027	0	0	0.006	0	---	---	26
27	---	0B	0B	0.106B	0.855	0.033	0	0	0.005	0	---	---	27
28	---	0B	0B	0.102B	0.768	0.034	0	0.002	0.005	0	---	---	28
29	---		0B	0.271B	0.728	0.032	0	0.006	0.004	0	---	---	29
30	---		0B	0.356B	0.666	0.033	0	0.007	0.003	0	---	---	30
31	---		0B		0.592		0	0.009		0		---	31
TOTAL	---	---	0	1.411	50.516	5.402	0.348	0.156	0.445	0.008	---	---	TOTAL
MEAN	---	---	0	0.047	1.63	0.180	0.011	0.005	0.015	0	---	---	MEAN
MAX	---	---	0	0.356	3.27	0.550	0.040	0.016	0.029	0.003	---	---	MAX
MIN	---	---	0	0	0.243	0.026	0	0	0.003	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.238
MAXIMUM DAILY, 3.27 ON MAY 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.46 AT 12:00 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 24 00 N
LONG 117 17 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30.1
FEB	---	AUG	13.5
MAR	0	SEP	38.4
APR	122	OCT	0.69
MAY	4 360	NOV	---
JUN	467	DEC	---

TOTAL DISCHARGE, 5 030 dam³

MACKAY CREEK AT WALSH - STATION NO. 05AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.002B	2.40	0.421	12.3	0.036	0.002	0	0	---	---	1
2	---	0 B	0.002B	1.00	0.341	16.7	0.032	0.003	0	0	---	---	2
3	---	0 B	0.003B	0.520B	0.310	19.1	0.030	0.003	0	0	---	---	3
4	---	0 B	0.003B	0.420B	0.300	20.1	0.024	0.003	0	0	---	---	4
5	---	0 B	0.003B	0.320B	0.285	11.4	0.021	0.003	0	0	---	---	5
6	---	0 B	0.003B	0.229B	0.264	6.21	0.027	0.002	0	0	---	---	6
7	---	0 B	0.003B	0.158B	0.276	4.56	0.023	0.002	0	0	---	---	7
8	---	0 B	0.004B	0.120B	0.297	3.23	0.020	0.002	0	0	---	---	8
9	---	0 B	0.008B	0.120B	0.281	2.17	0.020	0.002	0	0	---	---	9
10	---	0 B	0.482B	0.120B	0.275	1.58	0.021	0.002	0	0	---	---	10
11	---	0 B	1.32 B	4.69	0.303	1.12	0.033	0.002	0	0	---	---	11
12	---	0 B	4.98 B	13.1	0.332	0.931	0.021	0.002	0	0	---	---	12
13	---	0 B	1.45 B	14.4	0.264	1.22	0.016	0.002	0	0	---	---	13
14	---	0 B	1.45 B	6.50 E	0.185	1.26	0.013	0.002	0	0	---	---	14
15	---	0 B	1.48 B	3.44 A	0.135	0.939	0.011	0.001	0	0	---	---	15
16	---	0.001B	0.500B	1.58	0.115	0.729	0.011	0.001	0	0	---	---	16
17	---	2.00 B	0.319B	1.12	0.098	0.872	0.010	0	0	0	---	---	17
18	---	1.91 B	0.073B	1.00	0.087	0.757	0.009	0	0	0	---	---	18
19	---	1.70 B	0.040B	0.799	0.155	0.551	0.008	0	0	0	---	---	19
20	---	1.55 B	0.034B	0.487	0.961	0.388	0.006	0	0	0	---	---	20
21	---	1.35 B	0.020B	0.449	0.891	0.275	0.006	0	0	0	---	---	21
22	---	1.22 B	0.014B	0.415	0.498	0.186	0.006	0	0	0	---	---	22
23	---	0.480B	0.008B	0.925	0.307	0.111	0.005	0	0	0	---	---	23
24	---	0.351B	0.011	1.12	0.188	0.076	0.005	0	0	0	---	---	24
25	---	0.095B	0.012	0.720	0.112	0.057	0.004	0	0	0	---	---	25
26	---	0.021B	0.014	0.408	0.082	0.051	0.004	0	0	0	---	---	26
27	---	0.010B	0.164	0.434	0.099	0.046	0.004	0	0	0	---	---	27
28	---	0.005B	0.265	0.480	0.337	0.043	0.003	0	0	0	---	---	28
29	---		2.45	0.521	3.20	0.041	0.003	0	0	0	---	---	29
30	---		11.3	0.477	2.25	0.040	0.003	0	0	0	---	---	30
31	---		3.70		4.32		0.003	0		0		---	31
TOTAL	---	10.693	36.010	58.472	17.969	107.043	0.438	0.034	0	0	---	---	TOTAL
MEAN	---	0.382	0.968	1.95	0.580	3.57	0.014	0.001	0	0	---	---	MEAN
MAX	---	2.00	11.3	14.4	4.32	20.1	0.036	0.003	0	0	---	---	MAX
MIN	---	0	0.002	0.120	0.082	0.040	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.873
MAXIMUM DAILY, 20.1 ON JUN 4
MINIMUM DAILY, 0 ON AUG 17
MAXIMUM INSTANTANEOUS,
25.5 AT 16:00 MST ON JUN 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 30 N
LONG 110 02 40 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37.8
FEB	924	AUG	2.94
MAR	2 590	SEP	0
APR	5 050	OCT	0
MAY	1 550	NOV	---
JUN	9 250	DEC	---

TOTAL DISCHARGE, 18 500 dam³

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.009B	0.492B	0.153	3.84	0.024	0	0	0	---	---	1
2	---	0 B	0.005B	0.433B	0.162	5.74	0.182	0	0	0.008	---	---	2
3	---	0 B	0.002B	0.190B	0.155	6.57	0.113	0	0	0.035	---	---	3
4	---	0 B	0 B	0.106B	0.136	3.34	0.044	0	0	0.025	---	---	4
5	---	0 B	0 B	0.066B	0.140	2.02	0.025	0	0	0.009	---	---	5
6	---	0 B	0 B	0.044B	0.163	1.27	0.072	0	0	0.003	---	---	6
7	---	0 B	0 B	0.030B	0.143	0.664	0.093	0	0	0	---	---	7
8	---	0 B	0 B	0.026	0.112	0.427	0.064	0	0	0	---	---	8
9	---	0 B	0 B	0.030	0.110	0.314	0.087	0	0	0	---	---	9
10	---	0 B	0.002B	0.106	0.155	0.253	0.057	0	0	0	---	---	10
11	---	0 B	0.075B	2.12	0.155	0.215	0.030	0	0	0	---	---	11
12	---	0 B	0.344B	5.44	0.128	0.209	0.012	0	0	0	---	---	12
13	---	0 B	0.273B	3.40	0.107	0.150	0.021	0	0	0	---	---	13
14	---	0 B	0.231B	1.59	0.086	0.093	0.010	0	0	0	---	---	14
15	---	0 B	0.181B	0.606	0.072	0.062	0	0	0	0	---	---	15
16	---	0.002B	0.140B	0.379	0.065	0.159	0.012	0	0	0	---	---	16
17	---	0.190B	0.100B	0.344	0.054	0.189	0.074	0	0	0	---	---	17
18	---	0.180B	0.070B	0.305	0.053	0.094	0.036	0	0	0	---	---	18
19	---	0.170B	0.045B	0.286	0.653	0.050	0.011	0	0	0.001	---	---	19
20	---	0.160B	0.030B	0.405	0.371	0.033	0	0	0	0.006	---	---	20
21	---	0.150B	0.027B	0.274	0.167	0.020	0	0	0	0.012	---	---	21
22	---	0.139B	0.017B	0.654	0.111	0.009	0.011	0	0	0.025	---	---	22
23	---	0.072B	0.006B	0.813	0.083	0.006	0.017	0	0	0.030	---	---	23
24	---	0.061B	0.003B	0.542	0.063	0.004	0	0	0	0.020	---	---	24
25	---	0.048B	0.002B	0.261	0.047	0.001	0	0	0	0.010	---	---	25
26	---	0.010B	0.004B	0.186	0.069	0.001	0	0	0	0.006A	---	---	26
27	---	0.006B	0.014B	0.201	0.244	0.003	0	0	0	0.004E	---	---	27
28	---	0.010B	0.028B	0.212	0.752	0.010	0	0	0	0.002E	---	---	28
29	---		0.395B	0.230	0.250	0.022	0	0	0	0.002E	---	---	29
30	---		0.892B	0.173	0.316	0.014	0	0	0	0.001E	---	---	30
31	---		0.776B		1.06		0	0		0.001E		---	31
TOTAL	---	1.198	3.671	19.944	6.335	25.782	0.995	0	0	0.196	---	---	TOTAL
MEAN	---	0.043	0.118	0.665	0.204	0.859	0.032	0	0	0.006	---	---	MEAN
MAX	---	0.190	0.892	5.44	1.06	6.57	0.182	0	0	0.035	---	---	MAX
MIN	---	0	0	0.026	0.047	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.232
MAXIMUM DAILY, 6.57 ON JUN 3
MINIMUM DAILY, 0B ON MAR 4
MAXIMUM INSTANTANEOUS,
12.8 AT 17:49 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 110 02 33 W
DRAINAGE AREA, 75.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	86.0
FEB	104	AUG	0
MAR	317	SEP	0
APR	1 720	OCT	16.9
MAY	547	NOV	---
JUN	2 230	DEC	---

TOTAL DISCHARGE, 4 920 dam³

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.308B	0.242B	0.220B	0.237B	59.5	27.6	1.19	1.19	0.951	0.526	1.12 B	0.734B	1
2	0.304B	0.240B	0.220B	0.235B	57.6	25.3	1.18	1.16	0.977	0.568	1.10 B	0.715B	2
3	0.302B	0.238B	0.220B	0.233B	53.4	23.0	1.15	1.30	0.967	0.585	1.08 B	0.698B	3
4	0.300B	0.236B	0.220B	0.231B	50.4	19.9	1.19	1.85	0.940	0.584	1.07 B	0.680B	4
5	0.298B	0.234B	0.220B	0.230B	48.6	16.5	1.30	2.47	0.913	0.641	1.06 B	0.664B	5
6	0.296B	0.232B	0.220B	0.230B	47.8	13.6	1.46	2.71	0.847	0.655	1.06 B	0.646B	6
7	0.293B	0.230B	0.220B	0.230B	49.0	11.4	1.47	2.98	0.757	0.652	1.06 B	0.626B	7
8	0.289B	0.228B	0.220B	0.236B	51.2	10.4	1.42	3.06	0.695	0.676	1.05 B	0.606B	8
9	0.286B	0.227B	0.220B	0.248B	52.6	9.07	1.26	2.81	0.629	0.753	1.05 B	0.589B	9
10	0.284B	0.226B	0.220B	0.265B	51.8	7.76	1.11	2.35	0.629	0.749	1.05 B	0.570B	10
11	0.282B	0.225B	0.220B	0.284B	50.0	6.98	1.06	2.26	0.626	0.780	1.05 B	0.553B	11
12	0.281B	0.224B	0.220B	0.310B	48.5	6.45	1.02	2.31	0.704	0.783	1.04 B	0.535B	12
13	0.280B	0.223B	0.220B	0.339B	46.3	5.84	0.878	2.62	0.756	0.821	1.04 B	0.517B	13
14	0.276B	0.222B	0.220B	0.369B	44.3	5.50	0.805	2.58	0.798	0.831	1.03 B	0.503B	14
15	0.274B	0.221B	0.220B	0.394B	41.8	5.27	0.759	2.49	0.805	0.863	1.02 B	0.495B	15
16	0.272B	0.220B	0.220B	0.400B	41.6	4.85	0.704	2.43	0.802	0.897B	1.01 B	0.490B	16
17	0.270B	0.220B	0.220B	0.415B	40.7	4.64	0.605	2.29	0.781	1.11 B	0.990B	0.487B	17
18	0.268B	0.220B	0.223B	0.460B	40.3	4.43	0.518	2.04	0.764	1.22 B	0.972B	0.484B	18
19	0.266B	0.220B	0.230B	0.700B	39.5	4.05	0.479	1.93	0.724	1.26 B	0.955B	0.481B	19
20	0.264B	0.220B	0.236B	1.10 B	38.8	3.68	0.614	1.68	0.703	1.14 B	0.937B	0.480B	20
21	0.261B	0.220B	0.250B	1.75 B	38.9	3.56	0.748	1.42	0.696	1.19 B	0.920B	0.480B	21
22	0.259B	0.220B	0.267B	2.80 B	37.5	3.17E	0.775	1.25	0.691	1.53 B	0.900B	0.480B	22
23	0.257B	0.220B	0.289B	4.71 B	40.0	2.86E	0.939	1.17	0.640	1.54 B	0.883B	0.480B	23
24	0.256B	0.220B	0.296B	11.5 B	43.4	2.54A	1.27	1.02	0.595	1.68 B	0.863B	0.480B	24
25	0.254B	0.220B	0.298B	25.7 B	42.6	2.49	2.41	0.959	0.637	1.53 B	0.845B	0.480B	25
26	0.252B	0.220B	0.296B	31.9 B	40.8	2.26	2.45	0.927	0.618	1.67 B	0.825B	0.480B	26
27	0.250B	0.220B	0.290B	35.8 B	38.5	2.10	2.28	0.917	0.618	1.24 B	0.808B	0.480B	27
28	0.248B	0.220B	0.280B	53.1	37.0	1.77	1.94	0.923	0.597	1.44 B	0.788B	0.480B	28
29	0.246B		0.270B	59.9	35.1	1.46	1.62	0.941	0.588	1.24 B	0.773B	0.484B	29
30	0.245B		0.254B	61.1	33.1	1.26	1.33	0.990	0.610	1.54 B	0.753B	0.488B	30
31	0.244B		0.243B		30.8		1.25	0.951		1.14 B		0.492B	31
TOTAL	8.465	6.308	7.462	295.406	1 371.4	239.69	37.184	55.978	22.058	31.834	29.102	16.857	TOTAL
MEAN	0.273	0.225	0.241	9.85	44.2	7.99	1.20	1.81	0.735	1.03	0.970	0.544	MEAN
MAX	0.308	0.242	0.298	61.1	59.5	27.6	2.45	3.06	0.977	1.68	1.12	0.734	MAX
MIN	0.244	0.220	0.220	0.230	30.8	1.26	0.479	0.917	0.588	0.526	0.753	0.480	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.81
MAXIMUM DAILY, 61.1 ON APR 30
MINIMUM DAILY, 0.220B ON FEB 16
MAXIMUM INSTANTANEOUS,
70.7 AT 02:00 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 12 38 N
LONG 111 41 36 W
DRAINAGE AREA, 5 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	731	JUL	3 210
FEB	545	AUG	4 840
MAR	645	SEP	1 910
APR	25 500	OCT	2 750
MAY	118 000	NOV	2 510
JUN	20 700	DEC	1 460

TOTAL DISCHARGE, 183 000 dam³

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0	0.282	0.629	1.21	0.764	0.256	0E	---	1
2	---	---	---	0E	0	0.412	0.342	1.30	0.952	0.466	0E	---	2
3	---	---	---	0E	0	0.554	0.621	1.39	0.807	0.483	0A	---	3
4	---	---	---	0E	0	0.760	0.640	1.38	0.853	0.484	---	---	4
5	---	---	---	0E	0	0.853	0.623	1.38	0.813	0.342	---	---	5
6	---	---	---	0E	0	0.725	0.437	1.41	0.813	0.494	---	---	6
7	---	---	---	0E	0	0.677	0.524	1.39	0.796	0.419	---	---	7
8	---	---	---	0E	0	0.714	0.583	1.48	0.786	0.418	---	---	8
9	---	---	---	0E	0	1.02	0.671	1.47	0.863	0.489	---	---	9
10	---	---	---	0E	0	1.41	0.756	1.47	0.883	0.515	---	---	10
11	---	---	---	0E	0	1.27	0.780	1.47	0.916	0.513	---	---	11
12	---	---	---	0E	0	1.16	0.737	1.44	0.911	0.476	---	---	12
13	---	---	---	0E	0	1.24	0.822	1.25	0.889	0.443	---	---	13
14	---	---	---	0E	0	1.15	0.924	1.12	0.887	0.368	---	---	14
15	---	---	---	0E	0	1.09	1.04	1.05	0.896	0.135	---	---	15
16	---	---	---	0E	0	1.03	1.07	1.05	0.936	0	---	---	16
17	---	---	---	0E	0	0.991	1.01	1.07	0.946	0	---	---	17
18	---	---	---	0E	0	0.901	1.00	1.22	0.942	0	---	---	18
19	---	---	---	0E	0	0.901	1.15	1.27	0.932	0 A	---	---	19
20	---	---	---	0A	0	0.869	1.31	1.29	1.01	0 E	---	---	20
21	---	---	---	0	0	1.21	1.36	1.11	1.10	0 E	---	---	21
22	---	---	---	0	0	1.37	1.31	1.26	1.01	0 E	---	---	22
23	---	---	---	0	0	1.57	1.34	1.18	0.863	0 E	---	---	23
24	---	---	---	0	0	1.56	1.32	1.12	0.877	0 E	---	---	24
25	---	---	---	0	0.235	1.55	1.32	1.14	0.916	0 E	---	---	25
26	---	---	---	0	0.311	1.58	1.18	1.09	0.925	0 E	---	---	26
27	---	---	---	0	0.255	1.65	1.16	1.08	0.862	0 E	---	---	27
28	---	---	---	0	0.183	1.64	1.24	1.12	0.789	0 E	---	---	28
29	---		---	0	0.163	1.57	1.16	1.11	0.680	0 E	---	---	29
30	---		---	0	0.164	1.37	1.20	1.06	0.185	0 E	---	---	30
31	---		---		0.234		1.17	0.918		0 E		---	31
TOTAL	---	---	---	0	1.545	33.079	29.429	38.298	25.802	6.301	---	---	TOTAL
MEAN	---	---	---	0	0.050	1.10	0.949	1.24	0.860	0.203	---	---	MEAN
MAX	---	---	---	0	0.311	1.65	1.36	1.48	1.10	0.515	---	---	MAX
MIN	---	---	---	0	0	0.282	0.342	0.918	0.185	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.628
MAXIMUM DAILY, 1.65 ON JUN 27
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 55 N
LONG 113 03 15 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 540
FEB	---	AUG	3 310
MAR	---	SEP	2 230
APR	0	OCT	544
MAY	133	NOV	---
JUN	2 860	DEC	---

TOTAL DISCHARGE, 11 600 dam³

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00	2.89	2.14	1.73	2.29	19.0	42.5	45.1	42.0	23.5	9.18	5.16	1
2	3.02A	2.87	2.12	1.73	2.34	21.6	42.8	47.0	41.7	21.7	7.18	5.16	2
3	3.02E	2.68	2.09	1.71	2.37	24.5	50.3	52.4	41.6	21.1	7.96	5.11	3
4	3.03E	2.41	2.07	1.67	2.22	26.6	57.6	52.9	41.6	19.0	7.85	5.05	4
5	3.03E	2.39	2.00	1.64	2.18	29.0	58.9	52.3	41.3	18.1	7.84	5.03	5
6	3.03E	2.52	2.01	1.67	2.27	30.0	65.9	51.0	40.8	17.1	7.73	4.63	6
7	3.04E	2.60	2.02	1.56	2.34	30.2	83 9	48.9	40.9	15.9	6.78	4.49	7
8	3.04E	2.57	2.01	1.65	2.45	30.1	80.3	47.4	40.8	15.0	6.39	4.41	8
9	3.04E	2.39	2.01	1.64	2.43	30.4	53.2	46.3	40.7	14.5	6.30	4.34	9
10	3.05E	2.28	2.00	1.69	2.55	32.2	77.5	45.5	40.7	14.0	6.34	4.34	10
11	3.05E	2.35	2.00	1.68	2.93	35.7	72.7	45.0	40.7	13.7	6.39	4.33	11
12	3.05E	2.39	1.96	1.71	3.02	38.5	67.1	44.7	40.5	13.6	6.36	4.33	12
13	3.06E	2.40	1.93	1.74	3.18	40.5	61.4	44.1	40.5	13.2	6.37	4.33	13
14	3.06E	2.42	1.96	1.75	3.84	43.2	59.4	43.9	40.4	12.9	6.02	4.34	14
15	3.06E	2.43	1.93	1.75	4.10	44.2	63.4	43.6	40.4	12.9	5.84	4.33	15
16	3.07E	2.42	1.89	1.75	4.30	43.8	65.6	43.0	40.2	12.9	5.84	4.32	16
17	3.07E	2.40	1.92	1.78	5.18	43.9	67.7	43.1	39.5	12.9	5.82	4.33	17
18	3.07E	2.33	1.89	1.76	6.03	43.9	69.0	43.4	39.6	12.8	5.79	4.32	18
19	3.08E	2.31	1.83	1.73	5.95	44.8	70.5	43.6	39.4	12.8	5.15	4.32	19
20	3.08A	2.30	1.89	1.78	6.43	44.8	71.3	43.7	39.2	12.4	5.12	4.33	20
21	3.07	2.28	1.89	1.96	7.42	44.9	69.9	43.6	39.3	12.0	5.13	4.10	21
22	3.04	2.24	1.90	2.08	10.1	44.6	67.1	43.1	39.2	11.9	5.13	4.01	22
23	2.99	2.22	1.85	2.21	10.9	44.2	63.7	42.9	38.7	12.0	5.12	4.00	23
24	2.96	2.20	1.81	2.11	11.4	43.2	59.2	43.1	38.1	11.6	5.11	4.00	24
25	2.97	2.19	1.80	2.02	15.5	42.7	55.7	42.4	38.3	11.1	5.12	4.01	25
26	3.03	2.18	1.85	2.17	15.6	42.2	52.6	42.1	38.3	10.6	5.09	4.01	26
27	3.02	2.17	1.80	2.26	14.6	42.7	50.2	41.9	37.9	10.3	5.13	3.97	27
28	3.00	2.16	1.79	2.35	14.1	43.7	48.1	42.0	36.2	9.98	5.19	3.89	28
29	2.95		1.77	2.34	13.7	42.6	46.6	42.4	32.9	8.96	5.17	3.90	29
30	2.93		1.79	2.24	14.4	42.2	45.8	42.2	28.3	9.14	5.17	3.89	30
31	2.92		1.77		16.6		45.6	42.2		9.14		3.87	31
TOTAL	93.83	66.99	59.69	55.86	212.72	1 129.9	1 924.5	1 394.8	1 179.7	426.72	183.61	134.65	TOTAL
MEAN	3.03	2.39	1.93	1.86	6.86	37.7	62.1	45.0	39.3	13.8	6.12	4.34	MEAN
MAX	3.08	2.89	2.14	2.35	16.6	44.9	89.3	52.9	42.0	23.5	9.18	5.16	MAX
MIN	2.92	2.16	1.77	1.56	2.18	19.0	42.5	41.9	28.3	8.96	5.09	3.87	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 89.3 ON JUL 8
MINIMUM DAILY, 1.56 ON APR 7
MAXIMUM INSTANTANEOUS,
92.2 AT 13:35 MST ON JUL 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 51 N
LONG 118 01 34 W
DRAINAGE AREA, 909 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 110	JUL	166 000
FEB	5 790	AUG	121 000
MAR	5 160	SEP	102 000
APR	4 830	OCT	36 900
MAY	18 400	NOV	15 900
JUN	97 600	DEC	11 600

TOTAL DISCHARGE, 593 000 dam³

MANAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	207.605	206.582	207.735	---	---	209.059	208.809	208.669	208.247	208.292	1
2	---	207.907	---	206.587	---	---	---	209.100	208.862	208.721	208.144	208.306	2
3	---	---	---	206.587	---	---	---	209.098	208.838	208.722	208.193	208.327	3
4	---	207.904	207.264	206.594	---	---	---	209.014	208.844	208.676	208.195	208.343	4
5	---	---	207.151	206.588	---	---	---	208.899	208.822	208.637	208.183	208.335	5
6	---	---	207.061	206.593	---	---	---	208.893	208.795	208.645	208.332	208.341	6
7	---	---	206.971	206.593	---	---	---	208.867	208.652	208.696	208.332	208.347	7
8	---	---	206.908	206.596	---	---	208.672	208.879	208.742	208.707	208.323	208.377	8
9	---	---	206.869	206.625	---	---	---	208.924	208.787	208.696	208.263	208.360	9
10	---	---	206.839	206.655	---	---	---	208.960	208.848	208.709	208.260	208.360	10
11	---	---	206.820	206.679	---	---	---	208.977	208.655	208.589	208.267	208.354	11
12	207.797	---	206.797	206.704	208.828	---	---	208.955	208.871	208.709	208.318	208.340	12
13	---	---	206.778	206.727	---	---	---	208.887	208.826	208.687	208.320	208.326	13
14	---	---	206.759	206.759	---	---	---	208.881	208.659	208.728	208.395	208.300	14
15	---	---	206.744	206.798	---	---	---	208.928	208.781	208.736	208.379	208.289	15
16	---	---	206.723	206.821	---	---	---	208.933	208.823	208.995	208.347	208.257	16
17	---	---	206.713	206.841	---	---	---	208.910	208.790	208.832	208.357	208.228	17
18	---	---	206.692	206.863	---	---	---	208.861	208.809	208.607	208.317	208.214	18
19	---	---	206.691	206.889	---	---	---	208.850	208.783	208.499	208.341	208.224	19
20	---	---	206.682	206.918	---	---	---	208.870	208.769	208.632	208.341	208.231	20
21	---	---	206.669	206.953	---	---	---	208.867	208.760	208.668	208.326	208.250	21
22	---	---	206.662	206.985	---	---	209.102	208.840	208.778	208.691	208.328	208.261	22
23	---	---	206.645	207.059	---	208.715	---	208.842	208.767	208.442	208.341	208.240	23
24	---	---	206.641	207.096	---	---	---	208.821	208.743	208.608	208.330	208.237	24
25	---	---	206.625	207.084	---	---	---	208.784	208.757	208.586	208.327	208.225	25
26	---	---	206.607	207.070	---	---	---	208.823	208.774	208.597	208.342	208.228	26
27	---	---	206.594	207.112	---	---	---	208.867	208.752	208.489	208.336	208.218	27
28	---	---	206.600	207.181	---	---	---	208.875	208.748	208.565	208.332	208.214	28
29	---		206.584	207.333	---	---	208.974	208.869	208.741	208.301	208.327	208.209	29
30	---		206.593	207.496	---	---	208.939	208.838	208.692	208.416	208.314	208.199	30
31	---		206.588		208.669		208.975	208.798		208.405		208.187	31
MEAN	---	---	---	206.846	---	---	---	208.902	208.776	208.634	208.305	208.278	MEAN
MAX	---	---	---	207.496	---	---	---	209.100	208.871	208.995	208.395	208.377	MAX
MIN	---	---	---	206.582	---	---	---	208.784	208.652	208.301	208.144	208.187	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 20 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.105B	0.747	5.67	0	0	0	0	---	---	1
2	---	0B	0 B	0.060B	0.823	3.97	0	0	0	0	---	---	2
3	---	0B	0 B	0.050B	0.875	2.38	0	0	0	0	---	---	3
4	---	0B	0 B	0.045B	0.771	1.53	0.022	0	0	0	---	---	4
5	---	0B	0 B	0.040B	0.579	0.967	0.009	0	0	0	---	---	5
6	---	0B	0 B	0.028B	0.411	0.694	0.006	0	0	0	---	---	6
7	---	0B	0 B	0.013B	0.377	0.612	0	0	0	0	---	---	7
8	---	0B	0 B	0.013B	0.371	0.530	0	0	0	0	---	---	8
9	---	0B	0.200B	0.013B	0.415	0.480	0	0	0	0	---	---	9
10	---	0B	0.470B	0.175B	0.397	0.399	0	0	0	0	---	---	10
11	---	0B	0.700B	1.48 B	0.428	0.326	0	0	0	0	---	---	11
12	---	0B	0.440B	4.68 B	0.351	0.263	0	0.102	0	0	---	---	12
13	---	0B	0.249B	12.1 B	0.256	0.199	0	0.014	0	0	---	---	13
14	---	0B	0.080B	16.8 B	0.201	0.142	0	0	0	0	---	---	14
15	---	0B	0.165B	10.2	0.159	0.101	0	0	0	0	---	---	15
16	---	0B	0.219B	6.47	0.133	0.083	0	0	0	0	---	---	16
17	---	0B	0.210B	5.36	0.101	0.062	0	0	0	0	---	---	17
18	---	0B	0.190B	5.97	0.081	0.046	0	0	0	0	---	---	18
19	---	0B	0.165B	2.20	0.665	0.034	0	0	0	0	---	---	19
20	---	0B	0.170B	1.24	0.796	0.022	0	0	0	0	---	---	20
21	---	0B	0.180B	1.64	0.399	0.014	0	0	0	0	---	---	21
22	---	0B	0.185B	3.67	0.221	0.009	0	0	0	0	---	---	22
23	---	0B	0.170B	5.87	0.134	0.005	0	0	0	0	---	---	23
24	---	0B	0.150B	5.60	0.085	0.002	0	0	0	0	---	---	24
25	---	0B	0.140B	2.35	0.054	0	0	0	0	0	---	---	25
26	---	0B	0.130B	1.25	0.038	0	0	0	0	0	---	---	26
27	---	0B	0.125B	1.14	0.053	0	0	0	0	0	---	---	27
28	---	0B	0.130B	1.22	0.047	0	0	0	0	0	---	---	28
29	---		0.140B	1.18	0.309	0	0	0	0	0	---	---	29
30	---		0.150B	0.982	1.27	0	0	0	0	0		---	30
31	---		0.135B		5.24		0	0		0		---	31
TOTAL	---	0	4.884	91.944	16.787	18.540	0.037	0.116	0	0	---	---	TOTAL
MEAN	---	0	0.158	3.06	0.542	0.618	0.001	0.004	0	0	---	---	MEAN
MAX	---	0	0.700	16.8	5.24	5.67	0.022	0.102	0	0	---	---	MAX
MIN	---	0	0	0.013	0.038	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.540
MAXIMUM DAILY, 16.8B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 30 N
LONG 110 43 30 W
DRAINAGE AREA, 339 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.20
FEB	0	AUG	10.0
MAR	422	SEP	0
APR	7 940	OCT	0
MAY	1 450	NOV	---
JUN	1 600	DEC	---

TOTAL DISCHARGE, 11 480 dam³

MARIE CREEK BELOW STEEL LAKE - STATION NO. 06AC901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0	0	0.012	0.076	0.123	0.076B	---	1
2	---	---	---	0 B	0	0	0	0.010	0.063	0.119	0.079B	---	2
3	---	---	---	0 B	0	0	0	0.041	0.053	0.121	0.083B	---	3
4	---	---	---	0 B	0	0	0	0.051	0.043	0.112	0.086B	---	4
5	---	---	---	0 B	0.001	0.002	0	0.050	0.037	0.105	0.090B	---	5
6	---	---	---	0 B	0	0.004	0	0.050	0.032	0.093	0.093B	---	6
7	---	---	---	0 B	0	0.003	0.001	0.044	0.029	0.094	0.097B	---	7
8	---	---	---	0 B	0	0.003	0.001	0.039	0.033	0.091	0.100B	---	8
9	---	---	---	0 B	0	0.005	0.001	0.035	0.037	0.081	---	---	9
10	---	---	---	0 B	0	0.003	0.002	0.027	0.048	0.078	---	---	10
11	---	---	---	0 B	0	0.002	0.002	0.027	0.051	0.077	---	---	11
12	---	---	---	0 B	0	0.002	0.001	0.029	0.075	0.068	---	---	12
13	---	---	---	0 B	0	0.002	0.001	0.029	0.148	0.065	---	---	13
14	---	---	---	0 B	0	0.001	0	0.033	0.202	0.064	---	---	14
15	---	---	---	0 B	0	0.001	0	0.036	0.169	0.053	---	---	15
16	---	---	---	0 B	0	0.001	0.001	0.047	0.184	0.050	---	---	16
17	---	---	---	0 B	0	0	0.002	0.057	0.170	0.051	---	---	17
18	---	---	---	0 B	0	0	0.002	0.066	0.187	0.046	---	---	18
19	---	---	---	0 B	0	0	0.010	0.070	0.215	0.040	---	---	19
20	---	---	---	0 B	0.001	0	0.009	0.076	0.210	0.035A	---	---	20
21	---	---	---	0 B	0.001	0	0.007	0.086	0.218	0.038E	---	---	21
22	---	---	---	0.001	0.001	0	0.009	0.105	0.220	0.042E	---	---	22
23	---	---	---	0	0.003	0	0.012	0.117	0.221	0.045E	---	---	23
24	---	---	---	0	0.002	0	0.012	0.123	0.220	0.049E	---	---	24
25	---	---	---	0	0.002	0	0.012	0.116	0.231	0.052E	---	---	25
26	---	---	---	0	0.002	0.001	0.015	0.084	0.221	0.056E	---	---	26
27	---	---	---	0	0.001	0.001	0.016	0.061	0.210	0.059E	---	---	27
28	---	---	---	0	0.001	0.001	0.016	0.059	0.218	0.062E	---	---	28
29	---		---	0.001	0	0	0.014	0.044	0.195	0.066E	---	---	29
30	---		---	0	0	0	0.014	0.065	0.143	0.069E	---	---	30
31	---		---		0		0.012	0.085		0.073E		---	31
TOTAL	---	---	---	0.002	0.015	0.032	0.174	1.783	4.159	2.177	---	---	TOTAL
MEAN	---	---	---	0	0	0.001	0.006	0.058	0.139	0.070	---	---	MEAN
MAX	---	---	---	0.001	0.003	0.005	0.016	0.123	0.231	0.123	---	---	MAX
MIN	---	---	---	0	0	0	0	0.012	0.029	0.035	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.231 ON SEP 25
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
0.249 AT 09:02 MST ON SEP 14

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 25 N
LONG 110 19 41 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15.0
FEB	---	AUG	154
MAR	---	SEP	359
APR	0.17	OCT	188
MAY	1.30	NOV	---
JUN	2.76	DEC	---

TOTAL DISCHARGE, 720 dam³

MARIE LAKE NEAR COLD LAKE - STATION NO. 06AC005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	573.568	573.578	573.641	573.669	573.688	573.689	573.593	---	---	1
2	---	---	---	573.573	573.580	573.644	573.666	573.686	573.691	573.588	---	---	2
3	---	---	573.516A	573.574	573.573	573.648	573.675	573.715	573.684	573.563	---	---	3
4	---	---	573.518	573.573	573.574	573.653	573.689	573.717	573.671	573.592	---	---	4
5	---	---	573.523	573.575	573.571	573.644	573.688	573.722	573.672	573.588	---	---	5
6	---	---	573.522	573.577	573.566	573.653	573.690	573.716	573.668	573.581	---	---	6
7	---	---	573.523	573.577	573.572	573.663	573.696	573.718	573.674	573.580	---	---	7
8	---	---	573.524	573.576	573.574	573.663	573.696	573.715	573.669	573.578	---	---	8
9	---	---	573.533	573.577	573.576	573.659	573.694	573.710	573.666	573.574	---	---	9
10	---	---	573.535	573.576	573.577	573.682	573.692	573.705	573.665	573.573	---	---	10
11	---	---	573.541	573.575	573.582	573.698	573.692	573.705	573.655	573.575	---	---	11
12	---	---	573.552	573.575	573.587	573.688	573.691	573.705	573.644	573.584	---	---	12
13	---	---	573.554	573.575	573.587	573.686	573.692	573.702	573.645	573.575	---	---	13
14	---	---	573.562	573.572	573.590	573.689	573.687	573.696	573.644	573.566	---	---	14
15	---	---	573.575	573.573	573.593	573.680	573.690	573.699	573.640	573.570	---	---	15
16	---	---	573.578	573.573	573.593	573.681	573.690	573.699	573.645	573.557	---	---	16
17	---	---	573.571	573.574	573.588	573.683	573.693	573.701	573.643	573.545	---	---	17
18	---	---	573.566	573.572	573.599	573.678	573.690	573.703	573.633	573.559	---	---	18
19	---	---	573.566	573.572	573.602	573.685	573.687	573.703	573.635	573.558	---	---	19
20	---	---	573.565	573.574	573.614	573.679	573.690	573.700	573.640	573.556	---	---	20
21	---	---	573.563	573.572	573.616	573.651	573.687	573.696	573.633	573.552	---	---	21
22	---	---	573.564	573.568	573.619	573.675	573.676	573.692	573.624	573.549	---	---	22
23	---	---	573.563	573.564	573.611	573.662	573.684	573.684	573.620	573.552	---	---	23
24	---	---	573.562	573.555	573.620	573.668	573.688	573.679	573.617	573.548	---	---	24
25	---	---	573.563	573.562	573.624	573.671	573.692	573.673	573.601	573.551	---	---	25
26	---	---	573.565	573.566	573.614	573.674	573.693	573.665	573.602	573.551	---	---	26
27	---	---	573.563	573.567	573.610	573.657	573.696	573.658	573.607	573.549A	---	---	27
28	---	---	573.565	573.568	573.622	573.656	573.697	573.657	573.585	---	---	---	28
29	---		573.565	573.562	573.627	573.655	573.694	573.657	573.576	---	---	---	29
30	---		573.564	573.575	573.641	573.648	573.683	573.671	573.595	---	---	---	30
31	---		573.564		573.638		573.690	573.686		---		---	31
MEAN	---	---	---	573.571	573.598	573.667	573.688	573.694	573.641	---	---	---	MEAN
MAX	---	---	---	573.577	573.641	573.690	573.697	573.722	573.691	---	---	---	MAX
MIN	---	---	---	573.555	573.566	573.641	573.666	573.657	573.576	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 573.722 ON AUG 5

MAXIMUM INSTANTANEOUS,
573.728 AT 15:58 MST ON AUG 5

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 35 N
LONG 110 18 15 W

A - MANUAL GAUGE

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.007	0.012	0.012	0.013	0.040	0.259	0.428	0.102	0.048	0.068	0.035	0.023	1
2	0.007	0.012	0.011	0.013	0.047	0.304	0.398	0.100	0.047	0.070	0.031	0.023	2
3	0.004	0.012	0.012	0.014	0.045	0.341	0.371	0.094	0.045	0.072	0.034	0.023	3
4	0.003	0.012	0.012	0.014	0.037	0.383	0.349	0.090	0.059	0.067	0.033	0.023	4
5	0.002	0.012	0.011	0.014	0.034	0.415	0.330	0.086	0.056	0.063	0.032	0.023	5
6	0.004	0.012	0.011	0.014	0.033	0.375	0.303	0.083	0.051	0.065	0.031	0.023E	6
7	0.003	0.011	0.011	0.014	0.032	0.332	0.289	0.079	0.048	0.063	0.030	0.022E	7
8	0.003E	0.011	0.011	0.014	0.029	0.320	0.279	0.076	0.048	0.059	0.029	0.022E	8
9	0.005E	0.011	0.011	0.014	0.027	0.373	0.269	0.073	0.050	0.055	0.028E	0.022E	9
10	0.005E	0.010	0.011	0.014	0.027	0.456	0.256	0.071	0.056	0.056	0.028E	0.022E	10
11	0.006E	0.010	0.012	0.014	0.032	0.565	0.242	0.073	0.054	0.055	0.028E	0.022E	11
12	0.007E	0.010	0.012	0.014	0.040	0.722	0.228	0.074	0.053	0.052	0.028E	0.022E	12
13	0.008E	0.009	0.012	0.015	0.046	0.848	0.216	0.071	0.054	0.050	0.027E	0.021E	13
14	0.011E	0.009	0.012	0.015	0.064	0.938	0.208	0.072	0.052	0.048	0.027E	0.021E	14
15	0.012E	0.010	0.013	0.015	0.099	0.983	0.198	0.067	0.054	0.047	0.027E	0.021E	15
16	0.012E	0.011	0.012	0.015	0.137	1.03	0.183	0.063	0.055	0.047	0.027E	0.021	16
17	0.012E	0.011	0.012	0.015	0.138	0.970	0.170	0.061	0.054	0.046	0.026E	0.021	17
18	0.012A	0.011	0.012	0.015	0.144	0.872	0.158	0.059	0.052	0.043	0.026E	0.021	18
19	0.012E	0.011	0.012	0.015	0.122	0.869	0.150	0.057	0.051	0.041	0.026E	0.020	19
20	0.012E	0.011	0.012	0.015	0.144	0.857	0.173	0.056	0.050	0.042	0.025E	0.020	20
21	0.012E	0.012	0.012	0.016	0.180	0.825	0.154	0.056	0.053	0.044	0.025E	0.020	21
22	0.012E	0.012	0.012	0.019	0.221	0.753	0.154	0.055	0.057	0.045	0.025E	0.020	22
23	0.012E	0.012	0.012	0.022	0.236	0.698	0.147	0.054	0.058	0.045	0.025E	0.020	23
24	0.011E	0.012	0.012	0.025	0.257	0.629	0.141	0.053	0.058	0.044	0.024E	0.019	24
25	0.011E	0.012	0.012	0.024	0.286	0.572	0.139	0.051	0.057	0.043	0.024	0.019	25
26	0.011E	0.011	0.012	0.024	0.286	0.525	0.129	0.063	0.069	0.043	0.024	0.019	26
27	0.011E	0.011	0.012	0.027	0.222	0.523	0.121	0.059	0.063	0.041	0.024	0.019	27
28	0.011E	0.011	0.012	0.031	0.181	0.501	0.116	0.056	0.063	0.039	0.023	0.018	28
29	0.011A		0.013	0.033	0.158	0.472	0.111	0.055	0.063	0.035	0.023	0.018	29
30	0.011		0.013	0.036	0.154	0.450	0.106	0.053	0.064	0.033	0.023	0.018	30
31	0.012		0.013		0.194		0.105	0.050		0.035		0.018	31
TOTAL	0.272	0.311	0.368	0.543	3.692	18.156	6.621	2.112	1.642	1.556	0.818	0.644	TOTAL
MEAN	0.009	0.011	0.012	0.018	0.119	0.605	0.214	0.068	0.055	0.050	0.027	0.021	MEAN
MAX	0.012	0.012	0.013	0.036	0.286	1.03	0.428	0.102	0.069	0.072	0.035	0.023	MAX
MIN	0.002	0.009	0.011	0.013	0.027	0.259	0.105	0.050	0.045	0.033	0.023	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.101
MAXIMUM DAILY, 1.03 ON JUN 16
MINIMUM DAILY, 0.002 ON JAN 5
MAXIMUM INSTANTANEOUS, 1.09 AT 20:23 MST ON JUN 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 01 N
LONG 115 09 08 W

DRAINAGE AREA, 9.40 km²

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	23.5	JUL	572
FEB	26.9	AUG	182
MAR	31.8	SEP	142
APR	46.9	OCT	134
MAY	319	NOV	70.7
JUN	1 570	DEC	55.6

TOTAL DISCHARGE, 3 170 dam³

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.58B	1.13B	1.11B	1.44B	38.5E	20.0	11.8	16.5	13.2 E	8.79	6.30B	4.85B	1
2	1.56B	1.12B	1.11B	1.45B	37.5E	19.2	13.0	16.1	13.0 E	7.96	6.10B	4.83B	2
3	1.54B	1.11B	1.11B	1.46B	36.5E	18.4	14.0	18.4	12.7 E	8.65	5.95B	4.82B	3
4	1.52B	1.11B	1.11B	1.47B	36.0E	18.5	14.8	23.0	12.3 E	9.09	5.85B	4.81B	4
5	1.50B	1.11B	1.12B	1.48B	35.5E	19.0	15.6	25.3	11.8 E	8.54	5.75B	4.80B	5
6	1.48B	1.11B	1.13B	1.50B	35.0E	22.4	17.7	25.9	11.3 E	8.16	5.65B	4.80B	6
7	1.46B	1.11B	1.14B	1.52B	34.5E	20.3	17.6	26.2	10.8 E	7.20	5.55B	4.80B	7
8	1.44B	1.10B	1.16B	1.54B	34.0E	18.9	16.7	25.6	10.3 E	7.84	5.45B	4.80B	8
9	1.42B	1.10B	1.18B	1.60B	33.5E	19.7	16.5	23.9	10.0 E	8.73	5.35B	4.80B	9
10	1.42B	1.10B	1.20B	1.63B	33.0E	19.9	16.1	22.8	9.80E	8.52	5.32B	4.80B	10
11	1.41B	1.10B	1.22B	1.66B	32.0E	19.3	17.3	21.8	9.60E	8.26	5.28B	4.80B	11
12	1.40B	1.10B	1.24B	1.70B	31.5A	18.6	16.8	22.6	9.55E	8.30	5.22B	4.80B	12
13	1.38B	1.09B	1.27B	1.78B	31.7	18.7	16.5	22.4	9.65E	8.22	5.18B	4.80B	13
14	1.36B	1.09B	1.30B	1.85B	30.6	18.5	16.5	21.7A	9.75E	8.10	5.13B	4.80B	14
15	1.34B	1.09B	1.33B	1.93B	30.0	18.1	16.7	20.3E	10.0 E	8.44	5.09B	4.80B	15
16	1.32B	1.08B	1.36B	2.00B	28.6	18.3	17.7	19.7E	10.2 E	8.11	5.06B	4.80B	16
17	1.31B	1.09B	1.39B	2.10B	27.6	18.2	17.7	18.5E	10.3 E	7.64	5.03B	4.80B	17
18	1.30B	1.09B	1.41B	2.35B	26.7	17.2	17.7	17.6E	10.3 E	8.46	5.00B	4.80B	18
19	1.29B	1.09B	1.43B	2.55B	25.6	17.3	17.2	16.8E	10.2 E	8.73	4.98B	4.80B	19
20	1.28B	1.10B	1.44B	3.00B	26.3	16.5	17.7	16.0E	10.0 E	7.68	4.97B	4.80B	20
21	1.27B	1.10B	1.43B	5.28B	26.0	15.5	18.1	15.2E	9.90E	7.12	4.96B	4.80B	21
22	1.26B	1.10B	1.42B	9.50B	25.7	15.2	17.1	14.6E	9.65A	7.24	4.95B	4.80B	22
23	1.24B	1.10B	1.42B	15.5 B	25.0	15.0	16.0	13.8E	9.70	7.00	4.94B	4.80B	23
24	1.23B	1.10B	1.42B	25.0 B	25.8	15.9	17.9	13.9E	9.50	7.33	4.92B	4.80B	24
25	1.22B	1.10B	1.42B	44.0 B	23.8	14.3	18.1	12.1E	9.18	7.38	4.91B	4.80B	25
26	1.20B	1.11B	1.42B	46.5 B	24.4	14.5	17.2	11.8E	9.96	7.25	4.90B	4.80B	26
27	1.19B	1.11B	1.41B	46.5 B	25.1	14.4	16.7	11.6E	9.63	7.29	4.89B	4.80B	27
28	1.18B	1.11B	1.41B	42.5 B	23.6	13.9	16.4	11.8E	8.43	7.41	4.88B	4.80B	28
29	1.17B		1.42B	40.5 B	22.4	13.3	16.8	12.0E	8.80	7.09	4.87B	4.80B	29
30	1.15B		1.42B	39.5 B	21.2	12.6	16.3	13.5E	10.1	6.65B	4.86B	4.80B	30
31	1.14B		1.43B		20.2		16.5	13.0E		6.45B		4.80B	31
TOTAL	41.57	30.86	40.38	348.79	907.8	522.4	513.8	562.4	309.60	243.53	157.29	148.91	TOTAL
MEAN	1.34	1.10	1.30	11.6	29.3	17.4	16.6	18.1	10.3	7.86	5.24	4.80	MEAN
MAX	1.58	1.13	1.44	46.5	38.5	22.4	18.8	26.2	13.2	9.09	6.30	4.85	MAX
MIN	1.14	1.09	1.11	1.44	20.2	12.6	11.8	11.6	8.43	6.45	4.86	4.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 46.5B ON APR 26
MINIMUM DAILY, 1.09B ON FEB 13
MAXIMUM INSTANTANEOUS, 76.6B AT 07:00 MST ON APR 25

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 41 10 N
LONG 110 01 35 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 590	JUL	44 400
FEB	2 670	AUG	48 600
MAR	3 490	SEP	26 700
APR	30 100	OCT	21 000
MAY	78 400	NOV	13 000
JUN	45 100	DEC	12 900

TOTAL DISCHARGE, 331 000 dam³

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05PA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.517	0.150	0.238	0 E	0.007	0.006	---	---	1
2	---	---	0B	0 B	0.435	0.152	0.348	0 E	0.006	0.006	---	---	2
3	---	---	0B	0 B	0.377	0.151	0.431	0 E	0.005	0.026	---	---	3
4	---	---	0B	0 B	0.315	0.158	0.729	0 E	0.007	0.024	---	---	4
5	---	---	0B	0 B	0.259	0.180	0.722	0 E	0.025	0.016	---	---	5
6	---	---	0B	0 B	0.195	0.172	0.407	0 E	0.010	0.013	---	---	6
7	---	---	0B	0 B	0.180	0.180	0.334	0 E	0.004	0.012	---	---	7
8	---	---	0B	0 B	0.179	0.183	0.331	0 E	0.003	0.010	---	---	8
9	---	---	0B	0 B	0.059	0.191	0.278	0 E	0.003	0.009	---	---	9
10	---	---	0B	0 B	0.045	0.188	0.201	0 E	0.007	0.009	---	---	10
11	---	---	0B	0 B	0.042	0.190	0.152	0 E	0.007	0.009	---	---	11
12	---	---	0B	0.020B	0.038	0.187	0.116	0 E	0.007	0.008	---	---	12
13	---	---	0B	0.060B	0.039	0.194	0.084	0 E	0.006	0.008	---	---	13
14	---	---	0B	0.290B	0.046	0.191	0.073	0 E	0.006	0.008	---	---	14
15	---	---	0B	0.150B	0.043	0.190	0.067	0 E	0.008	0.008	---	---	15
16	---	---	0B	0.200B	0.043	0.188	0.057	0 E	0.009	0.008	---	---	16
17	---	---	0B	0.370B	0.042	0.192	0.049	0	0.009	0.009	---	---	17
18	---	---	0B	0.450B	0.033	0.191	0.042	0	0.010	0.010	---	---	18
19	---	---	0B	0.390B	0.050	0.190	0.037	0	0.009	0.009	---	---	19
20	---	---	0B	0.700B	0.046	0.190	0.032	0	0.008	0.009	---	---	20
21	---	---	0B	4.63	0.045	0.189	0.036	0.002	0.007	0.010	---	---	21
22	---	---	0B	5.28	0.048	0.194	0.060	0.004	0.006	0.012	---	---	22
23	---	---	0B	5.03	0.069	0.207	0.028	0.001	0.005	0.012	---	---	23
24	---	---	0B	4.49	0.064	0.213	0.015E	0	0.005	0.011	---	---	24
25	---	---	0B	3.82	0.074	0.219	0.011E	0.005	0.004	0.010	---	---	25
26	---	---	0B	3.09	0.076	0.212	0.007E	0.003	0.005	0.010A	---	---	26
27	---	---	0B	2.25	0.089	0.212	0.003E	0.011	0.010	0.010E	---	---	27
28	---	---	0B	1.42	0.094	0.222	0.001E	0.070	0.009	0.010E	---	---	28
29	---		0B	0.868	0.107	0.221	0 E	0.011	0.008	0.010E	---	---	29
30	---		0B	0.618	0.121	0.228	0 E	0.007	0.007	0.010E	---	---	30
31	---		0B		0.137		0 E	0.007		0.010E		---	31
TOTAL	---	---	0	34.126	3.907	5.725	4.887	0.121	0.222	0.332	---	---	TOTAL
MEAN	---	---	0	1.14	0.126	0.191	0.158	0.004	0.007	0.011	---	---	MEAN
MAX	---	---	0	5.28	0.517	0.228	0.729	0.070	0.025	0.026	---	---	MAX
MIN	---	---	0	0	0.033	0.150	0	0.	0.003	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.201
MAXIMUM DAILY, 5.28 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.45 AT 19:50 MST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 05 N
LONG 113 37 46 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	422
FEB	---	AUG	10.5
MAR	0	SEP	19.2
APR	2 950	OCT	28.7
MAY	338	NOV	---
JUN	495	DEC	---

TOTAL DISCHARGE, 4 260 dam³

MASSY RESERVOIR NEAR ELKWATER - STATION NO. 11AB104

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	26.536	---	---	5
6	---	---	28.522E	28.522E	27.720E	28.270E	27.810E	27.618E	26.925E	26.525E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	28.522E	25.500E	28.090E	28.100E	27.690E	27.255E	26.760E	26.520E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	28.130	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	28.522	---	---	---	---	---	27.140	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	27.680E	28.470	27.920E	---	---	26.640E	26.517	---	---	26
27	---	---	28.522E	27.386	28.450E	---	27.566	27.080E	---	26.510E	---	---	27
28	---	28.522E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	27.892	---	---	---	---	---	---	29
30	---		---	27.480E	---	27.880E	---	---	26.595E	---	---	---	30
31	---		28.522E		28.380E		27.500E	27.020E		26.585E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 04 N
LONG 110 22 12 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MATSQUI CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.400B	0.381	3.85	11.5	7.19	3.77	4.81	---	---	1
2	---	---	0 B	0.380B	0.336	4.42	12.7	7.73	3.62	4.68	---	---	2
3	---	---	0 B	0.340B	0.308	4.80	13.6	9.09	3.67	4.72	---	---	3
4	---	---	0 B	0.200B	0.292	5.37	12.4	9.77	3.37	4.72	---	---	4
5	---	---	0 B	0.160B	0.283	5.67	10.6	9.11	3.89	4.69	---	---	5
6	---	---	0 B	0.240B	0.264	6.02	10.8	8.46	3.90	4.55	---	---	6
7	---	---	0 B	0.260B	0.246	6.38	12.0	8.08	3.73	4.89	---	---	7
8	---	---	0 B	0.250B	0.249	5.86	8.35	7.85	3.69	4.66	---	---	8
9	---	---	0 B	0.230B	0.249	5.81	6.36	8.42	3.53	5.09	---	---	9
10	---	---	0.060B	0.300B	0.247	6.48	5.70	8.23	3.27	5.32	---	---	10
11	---	---	0.100B	0.600B	0.255	6.88	5.32	8.96	3.09	5.34	---	---	11
12	---	---	0.060B	1.50 B	0.257	7.01	4.76	8.53	3.18	5.25	---	---	12
13	---	---	0.040B	2.64 A	0.248	7.18	4.30	7.52	3.18	4.92	---	---	13
14	---	---	0.020B	2.18 B	0.263	7.33	4.04	7.94	3.30	4.88	---	---	14
15	---	---	0 B	1.25 B	0.289	6.38	4.00	8.05	3.47	5.05	---	---	15
16	---	---	0 B	0.979B	0.586	5.56	4.18	8.11	3.86	4.84	---	---	16
17	---	---	0 B	0.876B	1.03	5.87	4.18	7.81	3.71	3.42	---	---	17
18	---	---	0 B	0.899B	1.39	6.00	4.56	6.22	3.57	2.71	---	---	18
19	---	---	0 B	0.656B	1.97	5.70	4.57	5.73	3.56	2.36	---	---	19
20	---	---	0 B	0.615	1.91	5.74	4.43	5.54	3.76	2.07	---	---	20
21	---	---	0 B	0.572	1.95	6.23	3.22	5.84	3.74	1.94	---	---	21
22	---	---	0.040B	0.498	2.01	5.68	4.34	6.21	3.49	1.78	---	---	22
23	---	---	0.263B	0.479	2.08	5.55	4.47	6.33	3.15	1.71	---	---	23
24	---	---	0.700B	0.431	2.10	5.28	4.96	6.19	3.25	1.78	---	---	24
25	---	---	1.26 B	0.392	2.12	5.16	6.27	5.53	3.05	1.46	---	---	25
26	---	---	1.35 B	0.351	2.36	5.50	8.01	5.19	3.76	1.24	---	---	26
27	---	---	1.20 B	0.498	5.39	6.96	10.0	5.06	3.31	1.10 A	---	---	27
28	---	---	1.40 B	0.564	6.72	10.3	9.95	4.92	3.36	1.00 E	---	---	28
29	---		1.63 B	0.495	5.06	11.8	7.70	4.86	3.41	0.900E	---	---	29
30	---		1.61 B	0.434	4.26	11.4	7.54	4.75	5.29	0.800E	---	---	30
31	---		0.817B		3.95		7.16	4.35		0.700E		---	31
TOTAL	---	---	18.550	19.490	49.053	191.51	220.97	217.49	112.73	102.960	---	---	TOTAL
MEAN	---	---	0.340	0.650	1.58	6.38	7.13	7.02	3.76	3.32	---	---	MEAN
MAX	---	---	1.63	2.64	6.72	11.8	13.6	9.77	5.41	5.34	---	---	MAX
MIN	---	---	0	0.160	0.246	3.85	3.22	4.35	3.05	0.700	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.77
MAXIMUM DAILY, 13.6 ON JUL 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.0 AT 09:02 MST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 40 N
LONG 111 55 10 W
DRAINAGE AREA, 2 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 100
FEB	---	AUG	18 800
MAR	912	SEP	9 740
APR	1 680	OCT	8 900
MAY	4 240	NOV	---
JUN	16 500	DEC	---

TOTAL DISCHARGE, 79 900 dam³

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.001B	0.088B	0.023	0.561	0.022	0	0	0	---	---	1
2	---	0 B	0 B	0.050B	0.022	0.885	0.035	0	0	0	---	---	2
3	---	0 B	0 B	0.025B	0.019	1.44	0.031	0	0	0	---	---	3
4	---	0 B	0 B	0.010B	0.018	1.44	0.017	0	0	0	---	---	4
5	---	0 B	0 B	0.004B	0.020	0.743	0.016	0	0	0	---	---	5
6	---	0 B	0 B	0.002B	0.016	0.502	0.028	0	0	0	---	---	6
7	---	0 B	0 B	0 B	0.013	0.358	0.024	0	0	0	---	---	7
8	---	0 B	0 B	0 B	0.014	0.255	0.016	0	0	0	---	---	8
9	---	0 B	0.004	0 B	0.014	0.182	0.058	0	0	0	---	---	9
10	---	0 B	0.118B	0.188B	0.020	0.145	0.018	0	0	0	---	---	10
11	---	0 B	0.175B	0.339B	0.014	0.131	0.089	0	0	0	---	---	11
12	---	0 B	0.033B	0.650B	0.011	0.122	0.007	0	0	0	---	---	12
13	---	0 B	0.025B	0.389B	0.009	0.109	0.005	0	0	0	---	---	13
14	---	0 B	0.024B	0.167B	0.007	0.111	0.003	0	0	0	---	---	14
15	---	0 B	0.012B	0.027B	0.007	0.114	0.001	0	0	0	---	---	15
16	---	0 B	0.009B	0.015B	0.007	0.190	0.004	0	0	0	---	---	16
17	---	0 B	0.006B	0.011B	0.007	0.136	0.012	0	0	0	---	---	17
18	---	0 B	0.003B	0.009B	0.007	0.102	0.006	0	0	0	---	---	18
19	---	0.003B	0.003B	0.006B	0.071	0.067	0.002	0	0	0	---	---	19
20	---	0.012B	0.001B	0.004B	0.029	0.061	0.001	0	0	0	---	---	20
21	---	0.008B	0.001B	0.004B	0.014	0.054	0.001	0	0	0	---	---	21
22	---	0.006B	0 B	0.036B	0.010	0.048	0.001	0	0	0	---	---	22
23	---	0.005B	0 B	0.053	0.009	0.042	0	0	0	0	---	---	23
24	---	0.005B	0 B	0.045	0.007	0.041	0	0	0	0	---	---	24
25	---	0.004B	0 B	0.036	0.006	0.040	0	0	0	0	---	---	25
26	---	0.003B	0 B	0.034	0.008	0.036	0.002	0	0	0	---	---	26
27	---	0.002B	0 B	0.034	0.021	0.040	0.003	0	0	0E	---	---	27
28	---	0.001B	0.033B	0.032	0.076	0.037	0	0	0	0E	---	---	28
29	---		0.175B	0.034	0.052	0.034	0	0	0	0E	---	---	29
30	---		0.170B	0.037	0.170	0.028	0	0	0	0E	---	---	30
31	---		0.122B		0.338		0	0		0E		---	31
TOTAL	---	0.049	0.914	3.319	1.059	8.054	0.322	0	0	0	---	---	TOTAL
MEAN	---	0.002	0.029	0.077	0.034	0.268	0.010	0	0	0	---	---	MEAN
MAX	---	0.012	0.175	0.650	0.338	1.44	0.058	0	0	0	---	---	MAX
MIN	---	0	0	0	0.006	0.028	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 1.44 ON JUN 3
MINIMUM DAILY, 0B ON MAR 2
MAXIMUM INSTANTANEOUS,
2.11 AT 21:09 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 40 N
LONG 110 11 03 W
DRAINAGE AREA, 28.5 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27.8
FEB	4.23	AUG	0
MAR	79.0	SEP	0
APR	280	OCT	0
MAY	91.5	NOV	---
JUN	696	DEC	---

TOTAL DISCHARGE, 1 090 dam³

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.212	---	---	0.103	0.038	0.070	0.0808	---	1
2	---	---	---	---	0.293	---	---	0.107	0.035	0.073	0.0808	---	2
3	---	---	---	---	0.333	---	---	0.106	0.032	0.076	0.0788	---	3
4	---	---	---	---	0.284	---	---	0.097	0.099	0.073	0.0768	---	4
5	---	---	---	---	0.278	---	---	0.089	0.093	0.072	---	---	5
6	---	---	---	---	0.280	---	---	0.080	0.055	0.071	---	---	6
7	---	---	---	---	0.289	---	---	0.070	0.048	0.068	---	---	7
8	---	---	---	---	0.310	1.07A	0.488A	0.068	0.042	0.068	---	---	8
9	---	---	---	---	0.301	---	0.387	0.086	0.044	0.063	---	---	9
10	---	---	---	---	0.273	---	0.362	0.087	0.067	0.061	---	---	10
11	---	---	---	---	0.286	---	0.344	0.074	0.060	0.059	---	---	11
12	---	---	---	---	0.360	---	0.330	0.090	0.064	0.057	---	---	12
13	---	---	---	---	0.449A	---	0.305	0.089	0.072	0.056	---	---	13
14	---	---	---	---	0.672	---	0.308	0.091	0.065	0.053	---	---	14
15	---	---	---	---	0.832	---	0.284	0.081	0.062	0.051	---	---	15
16	---	---	---	---	0.855	---	0.266	0.071	0.062	0.058	---	---	16
17	---	---	---	---	0.865	---	0.249	0.066	0.060	0.063	---	---	17
18	---	---	---	---	1.09	---	0.237	0.058	0.053	0.066	---	---	18
19	---	---	---	---	0.814	---	0.211	0.056	0.048	0.061	---	---	19
20	---	---	---	---	0.768	---	0.206	0.051	0.047	0.0608	---	---	20
21	---	---	---	0.033A	---	---	0.204	0.046	0.046	0.064	---	---	21
22	---	---	---	0.042	---	---	0.184	0.047	0.047	0.069	---	---	22
23	---	---	---	0.070	---	---	0.176	0.050	0.044	0.148	---	---	23
24	---	---	---	0.114	---	---	0.172	0.051	0.043	0.117	---	---	24
25	---	---	---	0.125	---	---	0.159	0.047	0.041	0.101	---	---	25
26	---	---	---	0.127	---	---	0.149	0.059	0.090	0.092	---	---	26
27	---	---	---	0.150	---	---	0.145	0.053	0.078	0.089	---	---	27
28	---	---	---	0.181	---	---	0.135	0.043	0.083	0.086	---	---	28
29	---		---	0.197	---	---	0.128	0.044	0.079	0.084	---	---	29
30	---		---	0.183	---	---	0.121	0.048	0.070	0.0838	---	---	30
31	---		---		---		0.119	0.043		0.0828		---	31
TOTAL	---	---	---	---	---	---	---	2.151	1.766	2.391	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	0.069	0.059	0.074	---	---	MEAN
MAX	---	---	---	---	---	---	---	0.107	0.099	0.148	---	---	MAX
MIN	---	---	---	---	---	---	---	0.043	0.032	0.051	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 04 N
LONG 114 31 12 W
DRAINAGE AREA, 22.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	186
MAR	---	SEP	153
APR	---	OCT	198
MAY	---	NOV	---
JUN	---	DEC	---

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0	28.0	31.7	28.8	26.9E	28.0	0A	---	1
2	---	---	---	0E	0	27.8	31.2	28.7	26.9E	25.9	0E	---	2
3	---	---	---	0E	0	28.3	30.8	28.7	26.9E	25.0	0E	---	3
4	---	---	---	0E	0	28.4	31.0	28.8	26.9E	23.3	0E	---	4
5	---	---	---	0E	0	28.5	31.3	28.5	27.0E	22.8	0E	---	5
6	---	---	---	0E	0	29.7	30.9	28.2	27.1A	22.7	0E	---	6
7	---	---	---	0E	0	29.8	30.9	27.6	27.0E	22.6	0E	---	7
8	---	---	---	0E	0	29.2	30.1	27.5	26.7E	22.6	0E	---	8
9	---	---	---	0E	2.02	28.9	29.9	27.4A	26.4A	19.4	0E	---	9
10	---	---	---	0E	4.04	28.3	27.2	27.4E	26.5E	18.3	0E	---	10
11	---	---	---	0E	6.19	28.7	25.2	27.4E	26.6E	18.4	0E	---	11
12	---	---	---	0	9.38	28.7	25.3	27.4A	25.9E	15.7	0E	---	12
13	---	---	---	0	9.25	29.3	24.8	27.3E	25.3A	13.7	0E	---	13
14	---	---	---	0	11.5	29.1	25.9	27.4A	26.7	9.38	0E	---	14
15	---	---	---	0	13.9	29.7	27.9	27.7A	28.9	5.68	0E	---	15
16	---	---	---	0	14.2	29.9	27.7	27.6E	29.0	2.49	0E	---	16
17	---	---	---	0	14.3	29.9	27.5	27.6E	28.7	0.523	0E	---	17
18	---	---	---	0	17.2	29.7	27.5	27.3A	28.6	0.109	0E	---	18
19	---	---	---	0	21.9	28.3	26.8	27.2E	26.9	0.001	0E	---	19
20	---	---	---	0	23.6	29.5	28.1	27.1E	27.9	0	0E	---	20
21	---	---	---	0	23.5	31.3	29.1	27.1E	29.1	0	0E	---	21
22	---	---	---	0	25.2	30.8	29.2	27.0E	28.7	0	0E	---	22
23	---	---	---	0	26.7	31.3	29.4	27.0E	27.9	0	0E	---	23
24	---	---	---	0	26.7	31.4	29.2	26.9A	28.1	0	0E	---	24
25	---	---	---	0	27.3	31.6	29.2	26.9A	28.8	0	0E	---	25
26	---	---	---	0	29.5	31.6	29.6	26.9A	29.7	0	0E	---	26
27	---	---	---	0	31.9	32.1	29.2	26.8E	29.1	0	0E	---	27
28	---	---	---	0	33.0	32.1	28.7	26.8E	28.4	0	0E	---	28
29	---		---	0	30.5	31.6	28.7	26.9E	29.2	0	0E	---	29
30	---		---	0	28.7	31.5	29.0	26.9E	28.8	0	0E	---	30
31	---		---		28.3		29.1	26.9E		0		---	31
TOTAL	---	---	---	0	458.78	895.0	892.1	851.5	819.6	296.583	0	---	TOTAL
MEAN	---	---	---	0	14.8	29.8	28.8	27.5	27.3	9.57	0	---	MEAN
MAX	---	---	---	0	33.0	32.1	31.7	28.8	29.7	28.0	0	---	MAX
MIN	---	---	---	0	0	27.8	24.8	26.8	32.1	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.3
MAXIMUM DAILY, 33.0 ON MAY 28
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 20 N
LONG 112 55 35 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	77 100
FEB	---	AUG	73 600
MAR	---	SEP	79 000
APR	0	OCT	25 000
MAY	39 600	NOV	0
JUN	77 300	DEC	---

TOTAL DISCHARGE, 384 000 dam³

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	27.1	15.9	46.8	43.2	17.8	11.1	0	---	1
2	---	---	---	0	26.8	20.6	46.6	43.2	17.8	11.1	---	---	2
3	---	---	---	0	30.7	23.2	43.2	43.1	17.8	11.1	---	---	3
4	---	---	---	0	33.1	23.2	41.8	43.1	17.9	11.1	---	---	4
5	---	---	---	0	32.8	23.2	42.2	43.1	17.9	11.1	---	---	5
6	---	---	---	0	32.6	23.2	39.3	43.0	18.0	11.1	---	---	6
7	---	---	---	0	32.4	23.3	33.6	43.0	18.0	11.0	---	---	7
8	---	---	---	0	32.3	23.3	31.6	42.9	17.9	11.1	---	---	8
9	---	---	---	0	32.2	23.3	31.6	39.2	17.9	11.1	---	---	9
10	---	---	---	0	28.8	18.9	31.7	33.2	17.9	11.2	---	---	10
11	---	---	---	0	20.6	16.4	31.8	31.0	17.9	11.1	---	---	11
12	---	---	---	0	18.1	16.5	31.9	31.0	17.9	5.42	---	---	12
13	---	---	---	0	9.54	16.5	31.9	31.0	17.8	0.095	---	---	13
14	---	---	---	0	0.298	16.6	35.8	27.1	17.7	0	---	---	14
15	---	---	---	0	0.249	16.6	38.1	24.3	17.7	0	---	---	15
16	---	---	---	0	0.371	16.7	38.2	24.4	17.7	0	---	---	16
17	---	---	---	0	0.442	21.8	42.0	24.3	17.7	0	---	---	17
18	---	---	---	0	2.51	24.3	44.0	24.4	17.7	0	---	---	18
19	---	---	---	0	7.82	24.3	43.9	24.4	17.7	0	---	---	19
20	---	---	---	0	12.7	24.4	43.8	24.4	14.3	0	---	---	20
21	---	---	---	0	15.1	27.6	43.7	24.4	10.7	0	---	---	21
22	---	---	---	0	15.1	35.6	43.7	24.5	10.8	0	---	---	22
23	---	---	---	0	15.1	40.8	43.6	24.5	10.9	0	---	---	23
24	---	---	---	0	19.2	42.1	43.7	24.5	10.9	0	---	---	24
25	---	---	---	0	22.8	45.5	44.2	24.5	11.0	0	---	---	25
26	---	---	---	5.83	22.7	46.7	43.5	24.5	11.1	0	---	---	26
27	---	---	---	17.4	22.8	46.9	43.4	24.5	11.1	0	---	---	27
28	---	---	---	23.5	18.4	46.8	43.4	24.5	11.1	0	---	---	28
29	---		---	27.6	15.9	46.7	43.3	24.4	11.1	0	---	---	29
30	---		---	27.4	16.0	46.7	43.4	20.2	11.0	0	---	---	30
31	---		---		16.0		43.3	17.8		0		---	31
TOTAL	---	---	---	101.73	580.536	837.5	1 249.0	941.6	462.7	127.615	---	---	TOTAL
MEAN	---	---	---	3.39	18.7	27.9	40.3	30.4	15.4	4.12	---	---	MEAN
MAX	---	---	---	27.6	33.1	46.9	46.8	43.2	18.0	11.2	---	---	MAX
MIN	---	---	---	0	0.249	15.9	31.6	17.8	10.7	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.1
MAXIMUM DAILY, 46.9 ON JUN 27
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 112 49 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	108 000
FEB	---	AUG	81 400
MAR	---	SEP	40 000
APR	8 790	OCT	11 000
MAY	50 200	NOV	---
JUN	72 400	DEC	---

TOTAL DISCHARGE, 372 000 dam³

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.45B	1.41B	1.19B	1.78B	47.4B	53.7	44.3	39.7	35.3	45.8	19.5 B	8.50B	1
2	1.40B	1.40B	1.19B	1.72B	54.7B	54.8	41.3	40.7	31.4	46.0	17.0 B	7.70B	2
3	1.36B	1.39B	1.19B	1.75B	70.1	54.3	47.8	42.8	28.0	58.4	15.0 B	7.00B	3
4	1.32B	1.38B	1.22B	1.76B	57.7	53.2	115	38.9	28.3	68.0	15.0 B	6.20B	4
5	1.28B	1.37B	1.24B	1.71B	42.8	53.8	399	49.8	47.2	61.8	16.0 B	5.70B	5
6	1.27B	1.35B	1.26B	1.48B	38.8	67.7	396	42.6	51.9	56.1	15.5 B	5.30B	6
7	1.26B	1.33B	1.32B	1.48B	42.3	57.8	272	37.0	43.9	50.9	14.0 B	5.00B	7
8	1.27B	1.31B	1.38B	1.53B	46.8	51.8	200	32.8	37.9	47.2	13.0 B	4.90B	8
9	1.28B	1.28B	1.46B	1.65B	45.0	54.4	150	29.9	34.4	43.1	12.5 B	4.80B	9
10	1.30B	1.27B	1.52B	1.80B	39.9	62.8	116	31.8	31.9	40.2	11.5 B	4.90B	10
11	1.31B	1.26B	1.58B	1.93B	41.2	60.9	93.3	36.3	30.7	41.3	11.0 B	5.00B	11
12	1.32B	1.25B	1.64B	2.07B	45.0	60.1	78.9	33.0	29.0	43.5	11.5 B	5.10B	12
13	1.35B	1.24B	1.70B	2.17B	45.1	53.8	69.2	29.6	29.1	42.8	12.3 B	5.20B	13
14	1.38B	1.23B	1.72B	2.24B	47.0	51.7	68.9	26.6	28.0	43.6	13.2 B	5.30B	14
15	1.38B	1.22B	1.73B	2.28B	45.9	49.0	119	29.6	25.8	45.8	14.0 B	5.30B	15
16	1.36B	1.21B	1.73B	2.38B	46.0	45.2	122	37.3	24.3	44.2	14.8 B	5.20B	16
17	1.34B	1.21B	1.73B	2.50B	45.9	40.3	107	38.3	23.8	42.6	14.7 B	5.10B	17
18	1.31B	1.21B	1.63B	2.58B	48.3	36.1	92.5	33.0	22.3	39.7	14.0 B	5.00B	18
19	1.29B	1.20B	1.57B	2.60B	48.0	33.9	87.7	27.9	20.7	36.0	13.0 B	4.90B	19
20	1.27B	1.20B	1.53B	2.74B	42.8	32.4	107	24.3	19.8	33.7	12.0 B	4.70B	20
21	1.26B	1.20B	1.39B	2.92B	38.7	31.5	96.2	22.9	18.8	32.7	11.3 B	4.50B	21
22	1.25B	1.20B	1.37B	3.12B	37.7	32.5	94.6	24.7	18.0	31.2	10.4 B	4.30B	22
23	1.25B	1.20B	1.44B	3.34B	38.1	32.4	84.5	30.2	17.1	31.3	9.60B	4.10B	23
24	1.26B	1.19B	1.28B	3.44B	34.4	34.1	75.1	27.3	16.6	32.8	9.10B	4.00B	24
25	1.28B	1.18B	1.44B	3.68B	35.7	29.1	69.1	25.9	16.0	30.4	9.00B	4.10B	25
26	1.32B	1.18B	1.69B	5.37B	42.9	25.9	63.5	28.2	17.4	28.7	9.20B	4.20B	26
27	1.35B	1.18B	1.82B	9.20B	40.4	26.5	56.3	36.0	31.4	27.0	9.30B	4.30B	27
28	1.38B	1.18B	1.81B	11.6 B	47.8	30.8	49.6	39.3	38.3	25.3	9.40B	4.40B	28
29	1.39B		1.82B	21.0 B	48.6	37.9	44.4	45.9	48.5	23.5B	9.50B	4.50B	29
30	1.40B		1.83B	41.0 B	48.2	48.8	40.1	61.4	51.8	22.0B	9.20B	4.60B	30
31	1.40B		1.80B		51.4		37.0	38.9		20.8B		4.60B	31
TOTAL	41.04	35.23	47.21	144.82	1 484.6	1 387.2	3 437.3	1 122.6	897.6	1 236.4	375.50	158.40	TOTAL
MEAN	1.32	1.26	1.52	4.83	45.3	46.2	111	36.2	29.9	39.9	12.5	5.11	MEAN
MAX	1.45	1.41	1.83	41.0	70.1	67.7	399	62.8	51.9	68.0	19.5	8.50	MAX
MIN	1.25	1.18	1.19	1.48	34.4	25.9	37.0	23.9	16.0	20.8	9.00	4.00	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.2
MAXIMUM DAILY, 399 ON JUL 5
MINIMUM DAILY, 1.18B ON FEB 25
MAXIMUM INSTANTANEOUS, 484 AT 20:05 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 10 N
LONG 116 37 45 W

DRAINAGE AREA, 2 560 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 550	JUL	297 000
FEB	3 040	AUG	97 000
MAR	4 080	SEP	77 600
APR	12 500	OCT	107 000
MAY	121 000	NOV	32 400
JUN	120 000	DEC	13 700

TOTAL DISCHARGE, 889 000 dam³

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.20B	5.50B	163	83.3	189	82.8	91.7	117	43.0	---	1
2	---	---	4.40B	5.50B	161	82.8	184	93.4	85.8	108	47.6	---	2
3	---	---	4.60B	5.50B	170	80.5	112	146	75.7	105	38.3A	---	3
4	---	---	4.80B	5.50B	188	78.4	237	152	68.1	128	---	---	4
5	---	---	5.00B	5.50B	167	78.3	753	137	82.1	144	---	---	5
6	---	---	5.00B	5.50B	134	82.5	1 170	118	118 E	131	---	---	6
7	---	---	5.00B	5.50B	119	117	932	101	125 E	117	---	---	7
8	---	---	5.00B	5.50B	122	121	651	86.9	116 E	106	---	---	8
9	---	---	5.00B	5.50B	126	109	531	75.0	102 A	97.7	---	---	9
10	---	---	5.00B	5.50B	122	105	397	66.0	88.6	88.8	---	---	10
11	---	---	5.20B	5.50B	111	112	296	60.8	78.8	81.2	---	---	11
12	---	---	5.30B	5.50B	110	110	228	67.8	73.0	78.8	---	---	12
13	---	---	5.40B	5.50B	113	107	193	66.3	67.0	79.2	---	---	13
14	---	---	5.40B	5.50B	111	93.8	184	64.4	64.7	77.2	---	---	14
15	---	---	5.40B	6.00B	114	85.2	284	58.4	64.8	75.6	---	---	15
16	---	---	5.40B	6.20B	115	79.1	419	59.4	60.1	76.6	---	---	16
17	---	---	5.40B	6.50B	117	72.6	397	78.7	56.4	75.3	---	---	17
18	---	---	5.40B	6.70B	118	65.6	310	89.8	54.6	74.7	---	---	18
19	---	---	5.40B	6.90B	123	58.3	253	80.5	51.5	70.0	---	---	19
20	---	---	5.40B	7.00B	130	52.9	244	67.6	48.3	63.8	---	---	20
21	---	---	5.40B	7.20B	128	51.1	272	58.7	45.7	56.9	---	---	21
22	---	---	5.40B	9.00B	105	51.6	256	54.2	43.4	58.7	---	---	22
23	---	---	5.38B	11.5 B	95.7	50.8	249	51.9	41.6	60.4	---	---	23
24	---	---	5.50B	17.0 B	87.9	50.0	215	57.4	40.1	57.0	---	---	24
25	---	---	5.50B	30.0 B	84.7	54.2	183	62.5	39.0	59.4	---	---	25
26	---	---	5.50B	55.0 B	80.3	49.5	164	63.6	37.2	58.7	---	---	26
27	---	---	5.50B	75.0 B	87.7	45.7	147	69.3	37.3	56.6	---	---	27
28	---	---	5.50B	110 B	87.2	49.5	128	81.4	49.0	53.7	---	---	28
29	---		5.50B	150 B	92.9	81.9	111	86.7	81.2	50.1	---	---	29
30	---		5.50B	162 B	93.3	122	98.6	98.7	96.8	45.7	---	---	30
31	---		5.50B		85.1		88.3	96.6		41.5		---	31
TOTAL	---	---	161.88	743.00	3 657.8	2 380.2	9 695.9	2 532.8	2 083.5	2 490.6	---	---	TOTAL
MEAN	---	---	5.22	24.8	118	79.3	313	81.7	69.5	80.3	---	---	MEAN
MAX	---	---	5.50	162	188	122	1 170	152	125	144	---	---	MAX
MIN	---	---	4.20	5.50	80.3	45.7	88.3	51.9	37.2	41.5	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 96.9
MAXIMUM DAILY, 1 170 ON JUL 6
MINIMUM DAILY, 4.20B ON MAR 1
MAXIMUM INSTANTANEOUS,
1 230 AT 16:15 MST ON JUL 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 46 N
LONG 115 50 18 W
DRAINAGE AREA, 9 120 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	838 080
FEB	---	AUG	219 000
MAR	14 000	SEP	180 000
APR	64 200	OCT	215 000
MAY	316 080	NOV	---
JUN	206 000	DEC	---

TOTAL DISCHARGE, 2 050 000 dam³

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.24B	2.69B	3.11B	4.80B	114 B	75.5	89.1	74.4	74.0E	90.9	33.0B	16.5 B	1
2	2.20B	2.67B	3.11B	4.98B	127 B	74.0	89.9	106	64.0E	84.1	30.5B	16.2 B	2
3	2.16B	2.66B	3.12B	5.08B	151 B	72.8	104	126	53.8A	91.7	29.0B	15.7 B	3
4	2.12B	2.65B	3.14B	5.12B	144 B	71.4	294	117	50.0E	120	27.0B	14.7 B	4
5	2.10B	2.63B	3.18B	5.13B	112	71.9	840	103	73.0A	115	28.5B	13.8 B	5
6	2.08B	2.62B	3.27B	5.16B	92.9	94.0	986	89.4	105 E	100	29.0B	13.0 B	6
7	2.09B	2.61B	3.40B	5.18B	92.3	112	650	77.8	91.0E	90.0	26.5B	11.9 B	7
8	2.09B	2.61B	3.50B	5.17B	97.7	100	503	67.7	80.0A	82.2	24.0B	11.4 B	8
9	2.10B	2.60B	3.70B	5.10B	103	95.4	402	59.6	70.2A	76.4	21.5B	11.3 B	9
10	2.12B	2.60B	3.85B	5.09B	91.8	100	289	53.7	61.6A	68.1	20.5B	11.4 B	10
11	2.18B	2.61B	3.98B	5.15B	86.2	101	218	59.8	56.2E	65.2	19.8B	11.7 B	11
12	2.18B	2.63B	4.05B	5.01B	88.6	98.6	174	58.3	55.8E	65.6	19.2B	11.9 B	12
13	2.21B	2.66B	4.16B	5.04B	86.7	89.8	158	56.1	54.5E	64.4	20.2B	12.2 B	13
14	2.25B	2.68B	4.20B	5.33B	90.3	80.4	149	50.9	52.5E	62.5	21.3B	12.4 B	14
15	2.30B	2.72B	4.20B	5.58B	89.3	76.2	269	49.5	49.8E	63.6	22.4B	12.5 B	15
16	2.36B	2.75B	4.18B	5.74B	90.2	70.3	350	62.2	46.8E	62.8	23.3B	12.4 B	16
17	2.38B	2.80B	4.17B	6.05B	89.2	63.8	290	74.6	44.5E	61.5	23.8B	12.0 B	17
18	2.41B	2.85B	4.07B	6.38B	90.4	56.5	227	70.3	42.0E	59.1	24.0B	11.6 B	18
19	2.43B	2.90B	4.02B	6.78B	97.0	51.4	198	59.3	39.8E	53.2	23.6B	10.8 B	19
20	2.46B	2.97B	3.95B	7.03B	97.2	49.5	228	50.9	37.2A	47.9B	22.4B	10.3 B	20
21	2.43B	3.00B	3.88B	7.26B	85.6	49.4	220	46.2	36.7	48.8B	20.7B	9.70B	21
22	2.40B	3.02B	3.80B	7.83B	76.9	49.0	217	44.8	35.5	49.9	19.0B	8.90B	22
23	2.38B	3.04B	3.73B	8.49B	74.8	47.9	201	49.2	34.1	47.4	17.5B	8.50B	23
24	2.37B	3.07B	3.67B	9.78B	69.5	50.6	170	51.7A	33.3	48.9	16.3B	8.20B	24
25	2.36B	3.09B	3.55B	12.7 B	64.7	47.7	151	50.5A	32.0	48.9	15.6B	8.00B	25
26	2.43B	3.10B	3.65B	19.5 B	71.0	43.2	137	51.7A	31.8	46.2	15.2B	8.20B	26
27	2.48B	3.10B	3.90B	27.0 B	74.1	43.2	121	59.2A	38.7	44.7	15.3B	8.40B	27
28	2.52B	3.10B	4.35B	30.0 B	77.9	62.6	105	65.0E	64.4	42.5	15.5B	8.50B	28
29	2.58B		4.50B	70.0 B	85.3	102	93.0	72.5E	73.8	39.5B	15.9B	8.60B	29
30	2.63B		4.68B	104 B	77.4	98.4	83.4	82.0E	98.7	37.2B	16.3B	8.80B	30
31	2.68B		4.72B		75.4		75.5	79.5E		35.0B		8.90B	31
TOTAL	71.68	78.43	118.79	410.46	2 863.4	2 198.5	8 081.9	2 118.8	1 680.7	2 011.2	656.8	348.40	TOTAL
MEAN	2.31	2.80	3.83	13.7	92.4	73.3	261	68.3	56.0	64.9	21.9	11.2	MEAN
MAX	2.68	3.10	4.72	104	151	112	986	126	105	120	33.0	16.5	MAX
MIN	2.08	2.60	3.11	4.80	64.7	43.2	75.5	44.8	31.8	35.0	15.2	8.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 56.5
MAXIMUM DAILY, 986 ON JUL 6
MINIMUM DAILY, 2.08B ON JAN 6
MAXIMUM INSTANTANEOUS,
1 100 AT 03:35 MST ON JUL 6

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 15 N
LONG 116 16 58 W
DRAINAGE AREA, 6 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 190	JUL	690 000
FEB	6 780	AUG	183 000
MAR	10 300	SEP	145 000
APR	35 500	OCT	174 000
MAY	247 000	NOV	56 700
JUN	190 000	DEC	30 100

TOTAL DISCHARGE, 1 780 000 dam³

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.044B	0.018	0.021	0.058	0	0	0	0A	---	1
2	---	---	0 B	0.033B	0.027	0.017	0.041	0	0	0	---	---	2
3	---	---	0 B	0.030B	0.046	0.014	0.033	0	0	0	---	---	3
4	---	---	0 B	0.024B	0.049	0.014	0.029	0	0	0	---	---	4
5	---	---	0 B	0.021B	0.021	0.064	0.030	0	0	0	---	---	5
6	---	---	0 B	0.020B	0.012	0.106	0.022	0	0	0	---	---	6
7	---	---	0 B	0.020B	0.017	0.080	0.021	0	0	0	---	---	7
8	---	---	0 B	0.021B	0.027	0.071	0.014	0	0	0	---	---	8
9	---	---	0.002B	0.022B	0.011	0.058	0.010	0	0	0	---	---	9
10	---	---	0.007B	0.024B	0.019	0.052	0.007	0	0	0	---	---	10
11	---	---	0.016B	0.080B	0.008	0.047	0.004	0	0	0	---	---	11
12	---	---	0.031B	0.420E	0.010	0.043	0.002	0	0	0	---	---	12
13	---	---	0.044B	0.608A	0.011	0.037	0	0	0	0	---	---	13
14	---	---	0.054B	0.705	0.005	0.032	0	0	0	0	---	---	14
15	---	---	0.062B	0.245	0.002	0.031	0	0	0	0	---	---	15
16	---	---	0.063B	0.158	0.002	0.030	0	0	0	0	---	---	16
17	---	---	0.048B	0.117	0.002	0.031	0	0	0	0	---	---	17
18	---	---	0.037B	0.165	0.009	0.025	0	0	0	0	---	---	18
19	---	---	0.038B	0.102	0.017	0.019	0	0	0	0	---	---	19
20	---	---	0.037B	0.070	0.023	0.016	0	0	0	0	---	---	20
21	---	---	0.031B	0.111	0.013	0.011	0	0	0	0	---	---	21
22	---	---	0.028B	0.288	0.011	0.015	0	0	0	0	---	---	22
23	---	---	0.035B	0.236	0.013	0.013	0	0	0	0	---	---	23
24	---	---	0.042B	0.275	0.015	0.020	0	0	0	0	---	---	24
25	---	---	0.073B	0.090	0.016	0.030	0	0	0	0	---	---	25
26	---	---	0.077B	0.067	0.015	0.027	0	0	0	0	---	---	26
27	---	---	0.101B	0.066	0.033	0.028	0	0	0	0	---	---	27
28	---	---	0.180B	0.057	0.049	0.034	0	0	0	0	---	---	28
29	---		0.185B	0.062	0.050	0.035	0	0	0	0	---	---	29
30	---		0.101B	0.028	0.039	0.071	0	0	0	0		---	30
31	---		0.062B		0.027		0	0		0		---	31
TOTAL	---	---	1.354	4.211	0.613	1.092	0.257	0	0	0	---	---	TOTAL
MEAN	---	---	0.044	0.140	0.020	0.036	0.008	0	0	0	---	---	MEAN
MAX	---	---	0.185	0.705	0.050	0.106	0.058	0	0	0	---	---	MAX
MIN	---	---	0	0.020	0.002	0.011	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 0.705 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.49 AT 09:30 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 113 39 43 W
DRAINAGE AREA, 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22.2
FEB	---	AUG	0
MAR	117	SEP	0
APR	364	OCT	0
MAY	53.0	NOV	---
JUN	94.3	DEC	---

TOTAL DISCHARGE, 651 dam³

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.001B	0.234B	0.293	0.013	0	0	0	---	---	1
2	---	---	0.001B	0.001B	0.270B	0.255	0.014	0	0	0	---	---	2
3	---	---	0.001B	0.001B	0.327	0.213	0.013	0	0	0	---	---	3
4	---	---	0.001B	0.001B	0.359E	0.147	0.013	0	0	0	---	---	4
5	---	---	0.001B	0.001B	0.391E	0.147	0.013	0	0	0.001	---	---	5
6	---	---	0.001B	0.001B	0.423A	0.099	0.012	0	0	0.001	---	---	6
7	---	---	0.001B	0.001B	0.411	0.059	0.012	0	0	0.003	---	---	7
8	---	---	0.001B	0.001B	0.426	0.038	0.011	0	0	0.004	---	---	8
9	---	---	0.001B	0.002B	0.448	0.026	0.011	0	0	0.004	---	---	9
10	---	---	0.001B	0.002B	0.460E	0.022	0.009	0	0	0.004	---	---	10
11	---	---	0.002B	0.002B	0.480E	0.019	0.008	0	0	0.004	---	---	11
12	---	---	0.002B	0.002B	0.435E	0.018	0.008	0	0	0.005	---	---	12
13	---	---	0.002B	0.002B	0.390E	0.016	0.008	0	0	0.005	---	---	13
14	---	---	0.002B	0.002B	0.345E	0.014	0.006	0	0	0.005	---	---	14
15	---	---	0.002B	0.002B	0.300E	0.012	0.005	0	0	0.006	---	---	15
16	---	---	0.001B	0.003B	0.255	0.010	0.004	0	0	0.007	---	---	16
17	---	---	0.001B	0.003B	0.324	0.008	0.003	0	0	0.007	---	---	17
18	---	---	0.001B	0.003B	0.462	0.006	0.001	0	0	0.006	---	---	18
19	---	---	0.001B	0.003B	0.526	0.003	0.001	0	0	0.006	---	---	19
20	---	---	0.002B	0.004B	0.614A	0.002	0.001	0	0	0.006	---	---	20
21	---	---	0.003B	0.007B	0.619	0.002	0	0	0	0.007	---	---	21
22	---	---	0.003B	0.020B	0.612	0.001	0	0	0	0.006	---	---	22
23	---	0.001B	0.003B	0.018B	0.588	0.002	0	0	0	0.001	---	---	23
24	---	0.001B	0.003B	0.026B	0.583	0.003	0	0	0	0.001	---	---	24
25	---	0.001B	0.002B	0.040B	0.573	0.005	0	0	0	0.001A	---	---	25
26	---	0.001B	0.002B	0.080B	0.540	0.006	0	0	0	0.001E	---	---	26
27	---	0.001B	0.002B	0.100B	0.540	0.007	0	0	0	0.001E	---	---	27
28	---	0.001B	0.002B	0.200B	0.464	0.008	0	0	0	0.001E	---	---	28
29	---		0.001B	0.204B	0.411	0.010	0	0	0	0.001E	---	---	29
30	---		0.001B	0.198B	0.374	0.011	0	0	0	0.001E	---	---	30
31	---		0.001B		0.348		0	0		0.001E		---	31
TOTAL	---	---	0.049	0.931	13.528	1.852	0.166	0	0	0.096	---	---	TOTAL
MEAN	---	---	0.002	0.031	0.436	0.048	0.005	0	0	0.003	---	---	MEAN
MAX	---	---	0.003	0.204	0.619	0.293	0.014	0	0	0.007	---	---	MAX
MIN	---	---	0.001	0.001	0.324	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 0.619 ON MAY 21
MINIMUM DAILY, 0 ON JUL 21
MAXIMUM INSTANTANEOUS,
0.856 AT 21:30 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 15 N
LONG 117 23 05 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.3
FEB	---	AUG	0
MAR	4.23	SEP	0
APR	80.4	OCT	0.29
MAY	1 170	NOV	---
JUN	125	DEC	---

TOTAL DISCHARGE, 1 400 dam³

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.159B	0.353B	0.338B	0.318B	16.5	2.60	7.21	9.36	3.18A	4.03	2.22 B	0.580B	1
2	0.157B	0.346B	0.342B	0.309B	13.9	2.36	10.9	10.8	2.92A	3.86	2.07 B	0.575B	2
3	0.152B	0.340B	0.345B	0.300B	11.5	1.86	28.2	9.98	3.04A	3.81	1.92 B	0.565B	3
4	0.150B	0.334B	0.348B	0.288B	9.86	1.82	47.8	8.44	3.66A	5.57	1.83 B	0.555B	4
5	0.152B	0.328B	0.350B	0.280B	8.68	2.31	79.2 A	6.54	4.41A	8.77	1.71 B	0.550B	5
6	0.158B	0.320B	0.353B	0.282B	7.69	3.90	101	5.00	5.47A	8.04	1.58 B	0.545B	6
7	0.164B	0.319B	0.355B	0.296B	7.58	6.52	139	3.94	6.05A	6.99	1.45 B	0.540B	7
8	0.181B	0.318B	0.358B	0.360B	6.85	6.69	153	3.64	5.17A	5.93	1.35 B	0.530B	8
9	0.205B	0.319B	0.360B	0.455B	5.93	6.14	118	2.82	4.09A	5.10	1.25 B	0.525B	9
10	0.225B	0.320B	0.362B	0.615B	5.16	5.37	79.5	2.43	3.98A	4.68	1.09 B	0.515B	10
11	0.251B	0.325B	0.364B	0.810B	4.98	5.57	46.1	2.22	4.09A	4.02	1.00 B	0.520B	11
12	0.270B	0.328B	0.366B	1.15 B	4.34	5.73	23.4	2.70	3.06A	3.67	0.980B	0.515B	12
13	0.278B	0.338B	0.370B	2.05 B	3.83	4.81	16.3	2.97	2.59A	3.35	0.975B	0.510B	13
14	0.278B	0.346B	0.371B	3.73 B	3.55	3.85	14.8	2.91	2.36A	3.11	0.950B	0.502B	14
15	0.272B	0.356B	0.373B	3.52 B	3.37	3.12	14.1	3.98	2.26A	2.94	0.940B	0.499B	15
16	0.268B	0.362B	0.375B	4.45 B	3.66	2.75	15.1	5.12	2.28	2.89	0.895B	0.495B	16
17	0.262B	0.364B	0.375B	6.20 B	3.99	2.59	18.1	5.01	2.38	2.89	0.845B	0.492B	17
18	0.259B	0.365B	0.376B	10.5 B	3.93	2.83	15.6	3.97	2.23	2.86	0.825B	0.490B	18
19	0.260B	0.364B	0.378B	18.0 B	5.17	2.63	11.3	3.15	2.10	2.84	0.795B	0.487B	19
20	0.264B	0.362B	0.379B	37.2 B	6.46	2.41	9.81	2.63	2.00	2.74	0.765B	0.481B	20
21	0.281B	0.358B	0.378B	52.5 B	6.27	2.02	13.5	2.34	1.85	2.67	0.725B	0.478B	21
22	0.310B	0.352B	0.377B	66.5 B	5.58	1.71	28.4	2.29	1.82	2.67	0.700B	0.476B	22
23	0.338B	0.348B	0.376B	85.9	4.96	1.62	36.4	2.31A	1.80	2.72	0.690B	0.478B	23
24	0.358B	0.342B	0.372B	92.6	4.37	1.68	32.5	2.46A	1.64	2.83	0.675B	0.480B	24
25	0.365B	0.338B	0.370B	88.0	4.09	1.85	22.8	2.72A	1.54	2.94	0.655B	0.490B	25
26	0.360B	0.336B	0.366B	67.9	3.59	2.34	15.7	3.05A	1.61	2.80	0.645B	0.500B	26
27	0.365B	0.336B	0.360B	40.7	3.44	2.76	13.5	3.75A	2.53	2.72	0.635B	0.530B	27
28	0.352B	0.337B	0.366B	28.8	3.41	3.12	11.0	4.28A	3.48	2.63	0.630B	0.585B	28
29	0.350B		0.348B	23.7	3.72	3.81	8.15	4.09A	4.24	2.59	0.605B	0.580B	29
30	0.362B		0.337B	20.5	3.46	4.67	6.37	3.88A	4.24	2.46	0.583B	0.580B	30
31	0.360B		0.328B		2.96		5.96	3.67A		2.34B		0.575B	31
TOTAL	8.174	9.556	11.221	657.213	182.78	101.30	1 142.70	132.36	92.08	117.46	31.983	16.231	TOTAL
MEAN	0.264	0.341	0.362	21.9	5.90	3.38	36.9	4.27	3.07	3.79	1.07	0.524	MEAN
MAX	0.365	0.365	0.379	92.6	16.5	6.69	153	10.8	6.05	8.77	2.22	0.585	MAX
MIN	0.150	0.318	0.328	0.280	2.96	1.62	5.96	2.22	1.54	2.34	0.583	0.476	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.86
MAXIMUM DAILY, 153 ON JUL 8
MINIMUM DAILY, 0.150B ON JAN 4
MAXIMUM INSTANTANEOUS, 160 AT 07:00 MST ON JUL 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 08 N
LONG 114 20 33 W
DRAINAGE AREA, 1 910 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	706	JUL	98 700
FEB	826	AUG	11 400
MAR	969	SEP	7 960
APR	56 800	OCT	10 100
MAY	15 800	NOV	2 760
JUN	8 750	DEC	1 400

TOTAL DISCHARGE, 216 000 dam³

MEETING CREEK NEAR THE MOUTH - STATION NO. 05PC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.005B	0.650E	0.040	0.052	0.065	0.020	0.053	---	---	1
2	---	---	0 B	0 B	0.530E	0.038	0.551	0.092	0.017	0.052	---	---	2
3	---	---	0 B	0 B	0.440E	0.040	2.53	0.115	0.018	0.123	---	---	3
4	---	---	0 B	0 B	0.367A	0.042	1.63	0.108	0.020	0.177	---	---	4
5	---	---	0 B	0 B	0.222	0.115	3.39	0.098	0.035	0.080	---	---	5
6	---	---	0 B	0.001B	0.159	0.060	2.86	0.059	0.036	0.083	---	---	6
7	---	---	0 B	0.002B	0.111	0.019	2.23	0.068	0.023	0.088	---	---	7
8	---	---	0 B	0.003B	0.049	0.007	2.01	0.059	0.014	0.086	---	---	8
9	---	---	0 B	0.002B	0.039	0.009	1.75	0.054	0.013	0.086	---	---	9
10	---	---	0 B	0.002B	0.035	0.031	1.49	0.047	0.011	0.080	---	---	10
11	---	---	0 B	0.010B	0.038	0.039	1.48	0.043	0.012	0.080	---	---	11
12	---	---	0 B	0.025B	0.037	0.045	1.51	0.054	0.011	0.078	---	---	12
13	---	---	0 B	0.117B	0.040	0.044	1.48	0.054	0.010	0.082	---	---	13
14	---	---	0 B	0.280B	0.043	0.050	1.30	0.059	0.014	0.082	---	---	14
15	---	---	0 B	1.00 B	0.043	0.053	1.01	0.048	0.014	0.083	---	---	15
16	---	---	0 B	1.38 B	0.052	0.036	0.922	0.042	0.019	0.083	---	---	16
17	---	---	0 B	1.69 B	0.047	0.038	0.717	0.045	0.022	0.094	---	---	17
18	---	---	0 B	4.25 B	0.031	0.037	0.643	0.035	0.022	0.098	---	---	18
19	---	---	0 B	5.00 B	0.041	0.034	0.369	0.033	0.022	0.135	---	---	19
20	---	---	0 B	3.89 B	0.055	0.032	0.335	0.030	0.019	0.139	---	---	20
21	---	---	0 B	3.46 B	0.049	0.021	0.300E	0.030	0.020	0.139	---	---	21
22	---	---	0 B	3.25 B	0.041	0.032	0.270E	0.029	0.023	0.167	---	---	22
23	---	---	0 B	3.03 B	0.042	0.046	0.230E	0.029	0.026	0.164	---	---	23
24	---	---	0.005B	2.15	0.063	0.052	0.200W	0.031	0.029	0.152	---	---	24
25	---	---	0.017B	1.72	0.053	0.050	0.157	0.030	0.031	0.186A	---	---	25
26	---	---	0.020B	1.44	0.044	0.049	0.103	0.028	0.036	0.190E	---	---	26
27	---	---	0.016B	1.25	0.039	0.046	0.079	0.024	0.042	0.180E	---	---	27
28	---	---	0.010B	1.00	0.037	0.045	0.074	0.025	0.042	0.170E	---	---	28
29	---		0.012B	0.888	0.034	0.052	0.072	0.024	0.046	0.160E	---	---	29
30	---		0.015B	0.780E	0.041	0.046	0.072	0.025	0.054	0.150E	---	---	30
31	---		0.014B		0.042		0.068	0.023		0.140E			31
TOTAL	---	---	0.109	36.425	3.514	1.248	29.684	1.516	0.721	3.660	---	---	TOTAL
MEAN	---	---	0.004	1.21	0.113	0.042	0.958	0.049	0.024	0.118	---	---	MEAN
MAX	---	---	0.020	5.00	0.650	0.115	3.39	0.115	0.054	0.190	---	---	MAX
MIN	---	---	0	0	0.031	0.007	0.052	0.023	0.010	0.052	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.316
MAXIMUM DAILY, 5.00B ON APR 19
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 33 10 N
LONG 112 24 40 W
DRAINAGE AREA, 1 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 560
FEB	---	AUG	131
MAR	9.62	SEP	42.3
APR	3 150	OCT	316
MAY	304	NOV	---
JUN	108	DEC	---

TOTAL DISCHARGE, 6 640 dam³

MICHELE RESERVOIR NEAR ELKWATER - STATION NO. 11AB091

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	304.349	---	---	5
6	---	---	300.900E	300.850E	303.800E	304.850E	304.565E	304.535E	304.415E	304.348E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	300.890E	302.227	303.950E	304.700E	304.570E	304.495E	304.390E	303.950E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	302.640	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	300.925	---	303.112	---	---	---	---	---	---	---	---	23
24	---	300.924E	---	---	---	---	---	304.460	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	303.650E	304.101	304.550E	---	---	304.365E	303.922	---	---	26
27	---	---	300.870E	303.660	304.120E	---	304.580	304.450E	---	303.920E	---	---	27
28	---	300.920E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	304.559	---	---	---	---	---	---	29
30	---		300.865	303.710E	---	304.560E	---	---	304.355E	---	---	---	30
31	---		300.860E		304.420E		304.560E	304.430E		303.900E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 31 34 N
LONG 110 22 07 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.628B	0.076	0.076	0.030	0.003	0	0.018	---	---	1
2	---	---	0 B	0.400B	0.057	0.057	0.038	0.004	0	0.003	---	---	2
3	---	---	0 B	0.242B	0.040	0.047	0.463	0.083	0	0.004	---	---	3
4	---	---	0 B	0.133B	0.039	0.047	0.169	0.038	0.075	0.006	---	---	4
5	---	---	0 B	0.100B	0.028	0.055	0.201	0.018	0.057	0.003	---	---	5
6	---	---	0 B	0.080B	0.027	0.035	0.191	0.005	0.007	0.003	---	---	6
7	---	---	0 B	0.026B	0.023	0.029	0.191	0.003	0.003	0.001	---	---	7
8	---	---	0 B	0.077B	0.005	0.027	1.12	0.001E	0.001	0.001	---	---	8
9	---	---	0 B	0.283B	0.002	0.022	1.65	0	0	---	---	---	9
10	---	---	0 B	0.512B	0	0.098	1.32	0	0.007	0	---	---	10
11	---	---	0 B	0.793B	0	0.841	1.28	0	0.003	0	---	---	11
12	---	---	0 B	3.80 B	0	0.023	0.873	0	0.001	0	---	---	12
13	---	---	0 B	6.07	0	0.018	0.893	0	0.001	0	---	---	13
14	---	---	0 B	4.31	0	0.012	0.482	0	0	0	---	---	14
15	---	---	0 B	2.17	0.010E	0.007	0.512	0	0	0	---	---	15
16	---	---	0 B	1.28	0.030E	0	0.329	0	0	0	---	---	16
17	---	---	0 B	1.02	0.060E	0	0.237	0	0	0	---	---	17
18	---	---	0 B	0.629	0.040E	0	0.157	0	0	0	---	---	18
19	---	---	0 B	0.451	0.100E	0	0.099	0	0	0	---	---	19
20	---	---	0 B	0.478	0.060E	0	0.143	0	0	0	---	---	20
21	---	---	0.040B	0.408	0.030E	0	0.096	0	0	0	---	---	21
22	---	---	0.200B	0.304	0.020E	0	0.081	0	0	0	---	---	22
23	---	---	0.456B	0.230	0.040E	0	0.081	0	0	0	---	---	23
24	---	---	1.16 B	0.183	0.020E	0	0.066	0	0	0	---	---	24
25	---	---	0.861B	0.147	0.010E	0.017A	0.052	0	0	0	---	---	25
26	---	---	1.13 B	0.182	0.005E	0	0.060	0.004	0.058	0	---	---	26
27	---	---	1.06 B	0.155	0.164A	0.007	0.044	0.001	0.059	0	---	---	27
28	---	---	1.18 B	0.123	0.086	0.060	0.036	0	0.218	0	---	---	28
29	---		1.10 B	0.173	0.113	0.008	0.019	0	0.307	0	---	---	29
30	---		1.00 B	0.180	0.094	0.023	0.011	0	0.052	0	---	---	30
31	---		0.746B		0.082		0.005	0		0		---	31
TOTAL	---	---	8.935	24.486	1.261	0.709	10.909	0.160	0.741	0.035	---	---	TOTAL
MEAN	---	---	0.288	0.816	0.041	0.024	0.352	0.005	0.025	0.001	---	---	MEAN
MAX	---	---	1.18	6.07	0.164	0.098	1.65	0.083	0.218	0.018	---	---	MAX
MIN	---	---	0	0.024	0	0	0.005	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 6.07 ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.25 AT 18:34 MST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 17 N
LONG 113 43 59 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	903
FEB	---	AUG	13.8
MAR	772	SEP	64.0
APR	2 130	OCT	3.02
MAY	109	NOV	---
JUN	61.3	DEC	---

TOTAL DISCHARGE, 4 090 dam³

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB80

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.934	4.49	0.026	0.012	0.006	0.014	---	---	1
2	---	---	0B	0 B	0.729	3.99	0.027	0.014	0.007	0.015	---	---	2
3	---	---	0B	0 B	0.775	3.49	0.023	0.013	0.011	0.010	---	---	3
4	---	---	0B	0 B	0.774	3.39	0.022	0.013	0.011	0.008	---	---	4
5	---	---	0B	0 B	0.594	3.09	0.022	0.012	0.010	0.008	---	---	5
6	---	---	0B	0 B	0.454	2.10	0.023	0.011	0.009	0.010	---	---	6
7	---	---	0B	0 B	0.374	1.53	0.022	0.010	0.008	0.010	---	---	7
8	---	---	0B	0 B	0.295	0.922	0.023	0.010	0.006	0.010	---	---	8
9	---	---	0B	0 B	0.240	0.570	0.022	0.011	0.005	0.010	---	---	9
10	---	---	0B	0 B	0.195	0.387	0.020	0.013	0.005	0.010	---	---	10
11	---	---	0B	0 B	0.140	0.277	0.019	0.022	0.007	0.010	---	---	11
12	---	---	0B	0 B	0.118	0.206	0.019	0.016	0.008	0.011	---	---	12
13	---	---	0B	0 B	0.100	0.167	0.020	0.012	0.010	0.011	---	---	13
14	---	---	0B	0 B	0.075	0.107	0.020	0.010	0.011	0.012	---	---	14
15	---	---	0B	0 B	0.042	0.096	0.018	0.009	0.012	0.013	---	---	15
16	---	---	0B	0.058B	0.038	0.073	0.020	0.010	0.012	0.013	---	---	16
17	---	---	0B	0.156B	0.048	0.047	0.023	0.010	0.013	0.012	---	---	17
18	---	---	0B	0.039B	0.043	0.041	0.021	0.009	0.009	0.012	---	---	18
19	---	---	0B	0.004B	0.803	0.096	0.021	0.009	0.009	0.014	---	---	19
20	---	---	0B	0.010B	3.55	0.119	0.020	0.008	0.009	0.014	---	---	20
21	---	---	0B	0.072B	1.26	0.060	0.021	0.007	0.008	0.015	---	---	21
22	---	---	0B	0.204B	0.544	0.041	0.020	0.007	0.008	0.015	---	---	22
23	---	---	0B	1.80 B	0.302	0.034	0.019	0.008	0.009	0.015	---	---	23
24	---	---	0B	6.50 B	0.138	0.032	0.017	0.009	0.010	0.015	---	---	24
25	---	---	0B	3.13	0.063	0.029	0.015	0.009	0.009	0.015	---	---	25
26	---	---	0B	2.15	0.037	0.028	0.014	0.011	0.010	0.015	---	---	26
27	---	---	0B	1.70	0.038	0.028	0.015	0.012	0.015	0.015	---	---	27
28	---	---	0B	1.60	0.031	0.029	0.014	0.011	0.018	0.014A	---	---	28
29	---		0B	1.57	0.045	0.029	0.013	0.010	0.019	0.014E	---	---	29
30	---		0B	1.33	0.246	0.027	0.013	0.009	0.012	0.013E	---	---	30
31	---		0B		1.60		0.012	0.007		0.012E		---	31
TOTAL	---	---	0	20.323	14.626	25.505	0.604	0.334	0.296	0.385	---	---	TOTAL
MEAN	---	---	0	0.677	0.472	0.850	0.019	0.011	0.010	0.012	---	---	MEAN
MAX	---	---	0	6.50	3.55	4.49	0.027	0.022	0.019	0.015	---	---	MAX
MIN	---	---	0	0	0.031	0.027	0.012	0.007	0.005	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.253
MAXIMUM DAILY, 6.50B ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.89B AT 12:25 CST ON APR 24

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 29 N
LONG 110 03 09 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	52.2
FEB	---	AUG	28.9
MAR	0	SEP	25.6
APR	1 760	OCT	33.3
MAY	1 260	NOV	---
JUN	2 200	DEC	---

TOTAL DISCHARGE, 5 360 dam³

REMARKS - DATA PREVIOUSLY PUBLISHED UNDER THE NAME "MIDDLE CREEK NEAR ALBETA BOUNDARY"

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	0.103	0.026	0.010	0.014	0.004B	---	1
2	---	---	---	---	---	---	0.100	0.025	0.009	0.014	0.004B	---	2
3	---	---	---	---	---	---	0.095	0.023	0.008	0.013	0.003B	---	3
4	---	---	---	---	---	---	0.090	0.021	0.014	0.013	0.003B	---	4
5	---	---	---	---	---	---	0.085	0.019	0.012	0.012	---	---	5
6	---	---	---	---	---	---	0.077	0.017	0.011	0.013	---	---	6
7	---	---	---	---	---	---	0.074	0.015	0.011	0.012	---	---	7
8	---	---	---	---	---	---	0.072	0.014	0.009	0.012	---	---	8
9	---	---	---	---	---	---	0.071	0.014	0.007	0.010	---	---	9
10	---	---	---	---	---	---	0.069	0.013	0.008	0.008	---	---	10
11	---	---	---	---	---	---	0.067	0.012	0.008	0.008	---	---	11
12	---	---	---	---	---	---	0.065	0.012	0.008	0.008	---	---	12
13	---	---	---	---	---	---	0.061	0.013	0.007	0.008	---	---	13
14	---	---	---	---	---	---	0.058	0.013	0.006	0.009	---	---	14
15	---	---	---	---	---	---	0.057	0.012	0.006	0.009	---	---	15
16	---	---	---	---	---	0.196A	0.054	0.011	0.007	0.009	---	---	16
17	---	---	---	---	---	0.193	0.050	0.011	0.007	0.010	---	---	17
18	---	---	---	---	---	0.182	0.045	0.011	0.007	0.012	---	---	18
19	---	---	---	---	---	0.176	0.043	0.012	0.007	0.012	---	---	19
20	---	---	---	---	---	0.183	0.042	0.012	0.008	0.012	---	---	20
21	---	---	---	---	---	0.183	0.041	0.012	0.010	0.013	---	---	21
22	---	---	---	---	---	0.170	0.040	0.012	0.011	0.013	---	---	22
23	---	---	---	---	---	0.161	0.039	0.011	0.011	0.008	---	---	23
24	---	---	---	---	---	0.150	0.038	0.011	0.012	0.007	---	---	24
25	---	---	---	---	---	0.135	0.037	0.011	0.012	0.006	---	---	25
26	---	---	---	---	---	0.123	0.035	0.012	0.014	0.006	---	---	26
27	---	---	---	0.001B	---	0.118	0.032	0.012	0.014	0.006	---	---	27
28	---	---	---	---	---	0.115	0.030	0.012	0.014	0.005B	---	---	28
29	---		---	---	---	0.113	0.029	0.012	0.014	0.005B	---	---	29
30	---		---	---	---	0.107	0.028	0.012	0.013	0.005B	---	---	30
31	---		---		---		0.027	0.012		0.004B		---	31
TOTAL	---	---	---	---	---	---	1.754	0.435	0.295	0.296	---	---	TOTAL
MEAN	---	---	---	---	---	---	0.057	0.014	0.010	0.010	---	---	MEAN
MAX	---	---	---	---	---	---	0.103	0.026	0.014	0.014	---	---	MAX
MIN	---	---	---	---	---	---	0.027	0.011	0.006	0.004	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 30 N
LONG 115 11 56 W
DRAINAGE AREA, 1.17 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	152
FEB	---	AUG	37.6
MAR	---	SEP	25.5
APR	---	OCT	25.6
MAY	---	NOV	---
JUN	---	DEC	---

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BP017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.004	0.004	0.003	0.002	0.007	0.098	0.165	0.038	0.018	0.028	0.013	0.007	1
2	0.003	0.004	0.003	0.002	0.010	0.119	0.158	0.037	0.017	0.029	0.012	0.008	2
3	0.004	0.004	0.003	0.002	0.013	0.140	0.146	0.035	0.017	0.029	0.012	0.008	3
4	0.004	0.004	0.003	0.002	0.012	0.158	0.135	0.033	0.021	0.028	0.011	0.008	4
5	0.003	0.004	0.003	0.002	0.009	0.164	0.126	0.031	0.019	0.028	0.011	0.008	5
6	0.003	0.004	0.003	0.002	0.008	0.151	0.113	0.029	0.018	0.029	0.011	0.008	6
7	0.003	0.004	0.003	0.002	0.007	0.131	0.107	0.027	0.019	0.029	0.011	0.008	7
8	0.003	0.004	0.003	0.002	0.007	0.123	0.105	0.026	0.020	0.026	0.011	0.008	8
9	0.004	0.004	0.003	0.002	0.006	0.149	0.103	0.025	0.021	0.025	0.011	0.008	9
10	0.004	0.003	0.003	0.002	0.006	0.197	0.099	0.025	0.023	0.024	0.010	0.007	10
11	0.004	0.003	0.003	0.002	0.006	0.249	0.094	0.026	0.022	0.023	0.010	0.007	11
12	0.004	0.003	0.003	0.002	0.013	0.312	0.090	0.026	0.021	0.022	0.010	0.007	12
13	0.004	0.003	0.002	0.002	0.013	0.360	0.084	0.025	0.021	0.021	0.010	0.007	13
14	0.004	0.003	0.002	0.002	0.020	0.386	0.081	0.025	0.020	0.020	0.010	0.007	14
15	0.004	0.003	0.002	0.002	0.038	0.392	0.077	0.023	0.021	0.020	0.009	0.007	15
16	0.004	0.003	0.002	0.002	0.049	0.401	0.071	0.022	0.022	0.019	0.009	0.007	16
17	0.004	0.003	0.002	0.002	0.047	0.382	0.065	0.021	0.021	0.018	0.009	0.007	17
18	0.004	0.003	0.002	0.002	0.045	0.359	0.060	0.021	0.021	0.018	0.009	0.006	18
19	0.004	0.003	0.002	0.002	0.036	0.352	0.056	0.020	0.021	0.017	0.009	0.006	19
20	0.004	0.003	0.002	0.002	0.052	0.345	0.062	0.020	0.022	0.017	0.009	0.006	20
21	0.004	0.003	0.002	0.002	0.066	0.333	0.058	0.020	0.023	0.018	0.009	0.006	21
22	0.004	0.003	0.002	0.002	0.085	0.300	0.059	0.020	0.026	0.018	0.009	0.006	22
23	0.004	0.003	0.002	0.003	0.094	0.270	0.059	0.019	0.026	0.017	0.009	0.006	23
24	0.004	0.003	0.002	0.003	0.126	0.243	0.057	0.018	0.026	0.017	0.009	0.006	24
25	0.004	0.003	0.002	0.004	0.150	0.219	0.055	0.018	0.025	0.016	0.009	0.006	25
26	0.004	0.003	0.002	0.004	0.128	0.204	0.050	0.021	0.028	0.016	0.009	0.006	26
27	0.004	0.003	0.002	0.004	0.105	0.202	0.047	0.019	0.026	0.015	0.008	0.006	27
28	0.004	0.003	0.002	0.005	0.080	0.194	0.045	0.019	0.025	0.014	0.008	0.006	28
29	0.004		0.002	0.007	0.064	0.185	0.043	0.019	0.025	0.013	0.007	0.006	29
30	0.004		0.002	0.006	0.060	0.176	0.041	0.018	0.025	0.013	0.007	0.006	30
31	0.004		0.002		0.072		0.040	0.018		0.013		0.006	31
TOTAL	0.119	0.093	0.074	0.080	1.434	7.294	2.551	0.744	0.660	0.640	0.291	0.211	TOTAL
MEAN	0.004	0.003	0.002	0.003	0.046	0.243	0.082	0.024	0.022	0.021	0.010	0.007	MEAN
MAX	0.004	0.004	0.003	0.007	0.150	0.401	0.165	0.038	0.028	0.029	0.013	0.008	MAX
MIN	0.003	0.003	0.002	0.002	0.006	0.098	0.040	0.018	0.017	0.013	0.007	0.006	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.401 ON JUN 16
MINIMUM DAILY, 0.002 ON MAR 13
MAXIMUM INSTANTANEOUS,
0.440 AT 16:58 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 34 N
LONG 115 10 16 W
DRAINAGE AREA, 2.85 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10.3	JUL	220
FEB	8.04	AUG	64.3
MAR	6.39	SEP	57.0
APR	6.91	OCT	55.3
MAY	124	NOV	25.1
JUN	630	DEC	18.2

TOTAL DISCHARGE, 1 230 dam³

REMARKS - SOME FLOW WAS INADVERTENTLY DIVERTED FROM MIDDLE FORK CREEK TO TWIN CREEK MAY 18-20

MIDDLE STREETER SPRING NO. 2 NEAR WANTON - STATION NO. 05AB035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0	0	0	0.001	0	0.002	0.001	0.001	0	0.001	0	1
2	0E	0	0	0	0.001	0	0.003	0.001	0.001	0	0.001	0	2
3	0E	0	0	0	0.001	0	0.003	0.001	0.001	0	0.001	0	3
4	0E	0	0	0	0.001	0	0.003	0.001	0.001	0	0.001	0	4
5	0E	0	0	0	0.001	0	0.003	0.001	0.001	0	0.001	0	5
6	0E	0	0	0	0	0	0.003	0.001	0.001	0	0.001	0	6
7	0E	0	0	0	0	0.001	0.003	0.001	0.001	0	0.001	0	7
8	0E	0A	0	0	0	0.001	0.003	0.001	0.001	0	0	0	8
9	0E	0E	0	0	0	0.001	0.003	0.001	0.001	0	0	0	9
10	0E	0E	0	0	0.001	0.002	0.003	0.001	0.001	0	0	0	10
11	0E	0E	0	0	0.001	0.002	0.003	0.001	0.001	0	0	0	11
12	0E	0E	0	0	0.001	0.003	0.003	0.001	0.001	0	0	0	12
13	0E	0E	0	0	0.001	0.003	0.003	0.001	0.001	0	0	0	13
14	0E	0E	0	0	0.001	0.003	0.002	0.001	0.001	0	0	0	14
15	0E	0E	0	0	0	0.003	0.002	0.001	0.001	0	0	0	15
16	0E	0E	0	0	0	0.003	0.002	0.001	0.001	0	0	0	16
17	0E	0A	0	0	0	0.003	0.002	0.001	0	0	0	0	17
18	0E	0	0	0	0.001	0.003	0.002	0.001	0.001	0	0	0	18
19	0E	0	0	0	0.001	0.003	0.002	0.001	0.001	0	0	0	19
20	0E	0	0	0	0.001	0.003	0.002	0.001	0.001	0	0	0	20
21	0E	0	0	0	0	0.003	0.002	0.001	0.001E	0.001	0	0	21
22	0E	0	0	0	0	0.002	0.002	0.001	0.001A	0.001	0	0	22
23	0E	0	0	0	0	0.002	0.002	0.001	0.001	0.001	0	0	23
24	0E	0	0	0	0	0.002	0.002	0.001	0	0.001	0	0	24
25	0E	0	0	0	0	0.002	0.002	0.001	0	0.001	0	0	25
26	0A	0	0	0	0	0.002	0.002	0.001	0	0.001	0	0	26
27	0	0	0	0	0	0.002	0.002	0.001	0	0.001	0	0	27
28	0	0	0	0	0	0.002	0.001	0.001	0	0.001	0	0	28
29	0		0	0.001	0	0.002	0.001	0.001	0	0.001	0	0	29
30	0		0	0.001	0	0.002	0.001	0.001	0	0.001	0	0	30
31	0		0		0		0.001	0.001		0.001		0	31
TOTAL	0	0	0	0.002	0.013	0.055	0.078	0.031	0.022	0.011	0.007	0	TOTAL
MEAN	0	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	MEAN
MAX	0	0	0	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0.001	0	MAX
MIN	0	0	0	0	0	0	0.001	0.001	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.003 ON JUN 12
MINIMUM DAILY, 0E ON JAN 1
MAXIMUM INSTANTANEOUS,
0.003 AT 13:21 MST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 18 N
LONG 114 03 12 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	6.05
FEB	0	AUG	3.68
MAR	0	SEP	1.90
APR	0.17	OCT	0.95
MAY	1.12	NOV	0.60
JUN	4.75	DEC	0

TOTAL DISCHARGE, 18.2 dam³

REMARKS - THERE WERE TRACE FLOWS ON MANY DAYS WHERE ZEROS ARE PRINTED

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.48 B	0.800B	0.720B	0.580B	1.43	35.3	47.6	23.3	10.9	6.03	4.46	1.45B	1
2	1.40 B	0.795B	0.710B	0.580B	1.45	39.8	43.0	31.2	10.9	6.13	5.26	1.45B	2
3	1.20 B	0.790B	0.700B	0.600B	1.52	43.0	52.0	34.9	11.0	7.51	3.25	1.45B	3
4	1.10 B	0.790B	0.700B	0.610B	1.31	44.9	74.6	26.5	14.8	6.87	4.22	1.45B	4
5	0.940B	0.790B	0.695B	0.620B	1.20	46.3	65.5	21.0	20.1	6.04	3.79	1.45B	5
6	0.860B	0.790B	0.682B	0.640B	1.33	33.2	58.8	18.5	16.2	6.05	3.48	1.48B	6
7	0.840B	0.790B	0.682B	0.650B	1.48	28.0	50.1	16.5	14.3	5.82	2.93B	1.50B	7
8	0.830B	0.790B	0.682B	0.660B	1.56	22.5	38.3	15.3	15.3	5.21	2.21B	1.54B	8
9	0.820B	0.770B	0.682B	0.660B	1.54	24.5	32.1	15.8	23.0	5.23	1.77B	1.60B	9
10	0.830B	0.755B	0.670B	0.670B	1.54	33.7	28.6	15.2	30.9	5.35	1.40B	1.61B	10
11	0.835B	0.720B	0.660B	0.670B	1.93	45.5	26.8	15.8	20.9	6.57	1.40B	1.64B	11
12	0.850B	0.710B	0.650B	0.670B	2.41	56.4	25.8	14.2	17.3	6.83	1.40B	1.66B	12
13	0.880B	0.700B	0.640B	0.670B	2.71	66.0	25.2	12.6	15.4	6.40	1.40B	1.68B	13
14	0.900B	0.690B	0.635B	0.680B	3.05	76.4	28.7	12.0	12.7	7.95	1.40B	1.70B	14
15	0.905B	0.685B	0.630B	0.680B	3.91	82.9	35.2	12.2	11.3	8.53	1.39B	1.70B	15
16	0.900B	0.680B	0.620B	0.690B	4.92	78.4	35.8	10.9	10.2	8.50	1.38B	1.70B	16
17	0.870B	0.675B	0.630B	0.700B	7.39	71.3	35.5	15.2	9.22	8.58	1.37B	1.70B	17
18	0.850B	0.675B	0.640B	0.710B	10.2	69.2	38.9	13.0	8.74	7.19	1.36B	1.68B	18
19	0.830B	0.675B	0.650B	0.730B	11.5	70.3	46.3	10.7	8.24	6.82	1.36B	1.68B	19
20	0.825B	0.680B	0.660B	0.740B	12.8	72.8	41.8	9.63	7.75	5.50	1.35B	1.68B	20
21	0.810B	0.695B	0.670B	0.760B	15.6	75.6	34.7	9.28	7.41	5.56	1.35B	1.71B	21
22	0.800B	0.700B	0.665B	0.800E	22.1	77.7	31.1	9.89	7.12	6.10	1.34B	1.72B	22
23	0.795B	0.710B	0.660B	0.930E	21.5	72.9	25.6	8.89	6.70	7.63	1.34B	1.70B	23
24	0.785B	0.720B	0.650B	1.05 E	20.5	62.2	22.5	8.63	6.48	6.53	1.33B	1.67B	24
25	0.780B	0.730B	0.640B	1.18 E	33.2	51.3	21.4	8.43	6.39	6.09	1.33B	1.67B	25
26	0.780B	0.730B	0.630B	1.30 E	25.7	45.4	20.0	11.1	6.58	5.81	1.34B	1.62B	26
27	0.790B	0.730B	0.620B	1.40 E	18.7	48.0	19.2	12.2	7.18	5.42	1.36B	1.55B	27
28	0.795B	0.730B	0.600B	1.60 E	14.8	67.0	18.6	14.0	7.55	4.85	1.38B	1.48B	28
29	0.800B		0.590B	1.72 A	14.5	56.6	18.5	11.0	7.20	3.67	1.41B	1.42B	29
30	0.810B		0.580B	1.51	18.8	52.1	19.1	12.6	6.15	5.63	1.42B	1.38B	30
31	0.805B		0.580B		26.4		18.5	11.5		4.64		1.34B	31
TOTAL	27.695	20.495	20.223	25.460	306.98	1 645.2	1 079.8	461.95	357.91	195.04	60.18	49.06	TOTAL
MEAN	0.893	0.732	0.652	0.849	9.90	54.8	34.8	14.9	11.9	6.29	2.01	1.58	MEAN
MAX	1.48	0.800	0.720	1.72	33.2	82.9	74.6	34.9	30.9	8.58	5.26	1.72	MAX
MIN	0.780	0.675	0.580	0.580	1.20	22.5	18.5	8.43	6.15	3.67	1.33	1.34	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.6
MAXIMUM DAILY, 82.9 ON JUN 15
MINIMUM DAILY, 0.580B ON MAR 30
MAXIMUM INSTANTANEOUS,
86.3 AT 01:55 MST ON JUN 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 30 N
LONG 118 08 50 W
DRAINAGE AREA, 650 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 390	JUL	93 300
FEB	1 770	AUG	39 900
MAR	1 750	SEP	30 900
APR	2 200	OCT	16 900
MAY	26 500	NOV	5 200
JUN	142 000	DEC	4 240

TOTAL DISCHARGE, 367 800 dam³

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.11 B	15.6 B	11.8	33.7	26.8	9.88	0.595	1.93	---	---	1
2	---	---	2.55 B	12.7 B	11.8	30.3	29.7	7.62	0.595	1.59	---	---	2
3	---	---	1.98 B	8.50B	11.2	29.7	29.4	5.78	0.538	1.33	---	---	3
4	---	---	1.56 B	5.66B	10.2	30.8	28.4	4.47	0.538	1.38	---	---	4
5	---	---	1.27 B	4.35B	9.15	29.2	20.8	3.68	0.510	1.42	---	---	5
6	---	---	0.991B	3.40B	9.40	28.1	17.8	3.09	0.481	1.33	---	---	6
7	---	---	0.850B	2.83B	13.8	26.3	17.3	2.80	0.453	1.44	---	---	7
8	---	---	0.708B	3.68B	16.5	25.8	16.8	2.49	0.425	1.50	---	---	8
9	---	---	0.850B	7.08B	18.2	25.2	15.7	2.01	0.396	1.36	---	---	9
10	---	---	2.83 B	8.50B	27.2	24.4	15.9	1.76	0.368	1.33	---	---	10
11	---	---	8.50 B	9.91B	25.9	23.6	16.6	2.58	0.311	1.30	---	---	11
12	---	---	10 B	12.7 B	21.9	22.1	16.7	2.78	0.283	1.30	---	---	12
13	---	---	26.9 B	32.8	21.6	21.2	18.6	1.98 E	0.311	1.25	---	---	13
14	---	---	25.5 B	115	21.6	21.6	19.4	1.70 E	0.311	1.25	---	---	14
15	---	---	22.7 B	114	21.3	20.6	19.9	1.47 E	0.283	1.19	---	---	15
16	---	---	18.4 B	89.8	22.3	20.3	19.3	1.27 E	0.311	1.10	---	---	16
17	---	---	14.3 B	51.5	25.1	20.4	18.6	1.13 E	0.340	1.02	---	---	17
18	---	---	9.91 B	35.4	25.8	19.6	19.1	0.991E	0.340	1.10	---	---	18
19	---	---	5.66 B	25.5	27.9	19.3	20.2	0.906	0.340	1.13	---	---	19
20	---	---	5.66 B	20.6	25.8	20.9	19.3	0.850	0.340	1.25	---	---	20
21	---	---	7.08 B	18.6	23.6	21.4	19.1	0.765	0.340	1.22	---	---	21
22	---	---	8.50 B	16.5	25.3	20.9	19.1	0.736	0.283	1.36	---	---	22
23	---	---	8.50 B	14.8	24.9	23.4	18.9	0.793	0.283	1.50	---	---	23
24	---	---	5.66 B	13.5	22.7	24.6	18.3	0.963	0.283	1.33	---	---	24
25	---	---	3.68 B	27.9	21.9	25.5	18.5	0.793	0.283	1.02	---	---	25
26	---	---	2.83 B	31.7	22.6	26.9	18.0	0.934	0.283	0.963	---	---	26
27	---	---	4.25 B	25.9	24.0	26.8	18.0	0.878	1.19	0.991	---	---	27
28	---	---	7.08 B	18.4	32.3	27.5	18.3	0.765	4.56	0.963	---	---	28
29	---		11.3 B	14.0	41.1	27.3	18.1	0.708	2.58	0.991E	---	---	29
30	---		18.4 B	12.5	43.0	25.9	17.5	0.708	2.46	0.991E	---	---	30
31	---		17.0 B		41.1		13.5	0.651		0.991E		---	31
TOTAL	---	---	268.209	773.21	700.95	742.5	599.6	67.931	20.614	38.740	---	---	TOTAL
MEAN	---	---	8.65	25.8	22.6	24.8	19.3	2.19	0.687	1.25	---	---	MEAN
MAX	---	---	26.9	115	43.0	33.7	29.7	9.88	4.56	1.93	---	---	MAX
MIN	---	---	0.708	2.83	9.15	19.3	13.5	0.651	0.283	0.963	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.1
MAXIMUM DAILY, 115 ON APR 14
MINIMUM DAILY, 0.283 ON SEP 12
MAXIMUM INSTANTANEOUS,
148 AT 05:00 MST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 05 N
LONG 110 28 15 W
DRAINAGE AREA, 6 810 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1917

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51 800
FEB	---	AUG	5 870
MAR	23 200	SEP	1 700
APR	66 800	OCT	3 350
MAY	60 600	NOV	---
JUN	64 290	DEC	---

TOTAL DISCHARGE, 278 000 dam³

MILK RIVER AT HIGHWAY NO. 880 - STATION NO. 11AA036

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.788	1.066	1.132	0.805	0.547	0.615	0.584	---	1
2	---	---	---	---	0.761	1.062	1.132	0.770	0.546	0.619	0.592	---	2
3	---	---	---	---	0.729	1.063	1.109	0.730	0.542	0.616	0.584A	---	3
4	---	---	---	---	0.724	1.051	1.068	0.697	0.545	0.623	---	---	4
5	---	---	---	---	0.782	1.029	1.044	0.675	0.544	0.632	---	---	5
6	---	---	---	---	0.880	1.014	1.038	0.656	0.542	0.625	---	---	6
7	---	---	---	---	0.784	1.024	1.033	0.637	0.529	0.619	---	---	7
8	---	---	---	---	0.856	1.021	1.030	0.624	0.527	0.614	---	---	8
9	---	---	---	---	0.944	1.014	1.035	0.623	0.522	0.613	---	---	9
10	---	---	---	---	0.982	1.006	1.046	0.626	0.517	0.609	---	---	10
11	---	---	---	---	0.981	0.986	1.053	0.623	0.534	0.606	---	---	11
12	---	---	---	---	0.969	0.973	1.051	0.607	0.531	0.602	---	---	12
13	---	---	---	---	0.961	0.969	1.049	0.596	0.536	0.600	---	---	13
14	---	---	---	---	0.961	0.966	1.045	0.584	0.537	0.596	---	---	14
15	---	---	---	---	0.986	0.964	1.033	0.581	0.532	0.593	---	---	15
16	---	---	---	---	1.022	0.976	1.036	0.576	0.545	0.584	---	---	16
17	---	---	---	---	1.038	0.962	1.053	0.570	0.548	0.581	---	---	17
18	---	---	---	---	1.052	0.967	1.051	0.572	0.550	0.590	---	---	18
19	---	---	---	---	1.058	0.964	1.046	0.566	0.547	0.601	---	---	19
20	---	---	---	---	1.069	0.964	1.043	0.561	0.547	0.596	---	---	20
21	---	---	---	---	1.086	0.986	1.046	0.555	0.546	0.589	---	---	21
22	---	---	---	---	1.083	1.010	1.034	0.555	0.535	0.588	---	---	22
23	---	---	---	---	1.065	1.016	1.031	0.576	0.537	0.586	---	---	23
24	---	---	---	---	1.059	1.039	1.028	0.564	0.537	0.593	---	---	24
25	---	---	---	---	1.054	1.041	1.030	0.558	0.526	0.593	---	---	25
26	---	---	---	---	1.050	1.045	1.038	0.565	0.544	0.589	---	---	26
27	---	---	---	---	1.068	1.055	1.031	0.571	0.622	0.582	---	---	27
28	---	---	---	0.845A	1.095	1.054	1.024	0.568	0.638	0.581	---	---	28
29	---		---	0.809	1.160	1.063	0.980	0.566	0.624	0.583	---	---	29
30	---		---	0.799	1.185	1.086	0.911	0.561	0.618	0.586	---	---	30
31	---		---		1.125		0.855	0.554		0.589			31
MEAN	---	---	---	---	0.977	1.015	1.036	0.609	0.550	0.600	---	---	MEAN
MAX	---	---	---	---	1.185	1.086	1.132	0.805	0.638	0.632	---	---	MAX
MIN	---	---	---	---	0.724	0.962	0.855	0.554	0.517	0.581	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.185 ON MAY 30

MAXIMUM INSTANTANEOUS,
1.209 AT 22:55 MST ON MAY 29

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 44 N
LONG 111 18 19 W

A - MANUAL GAUGE

REGULATED SINCE 1916

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.118B	0.020B	0.400B	3.30B	9.20	23.4	26.1	3.42	0.507E	1.54	0.830B	0.525B	1
2	0.118B	0.020B	0.330B	3.00B	8.00	23.2	25.2	2.40	0.458A	1.60	0.811B	0.550B	2
3	0.118B	0.020B	0.290B	2.98B	8.48	21.9	22.5	1.74	0.429E	1.64	0.730B	0.570B	3
4	0.118B	0.020B	0.260B	2.70B	12.3	20.5	20.7	1.45	0.458A	1.56	0.790B	0.580B	4
5	0.118B	0.010B	0.240B	2.65B	12.5	19.5	20.0	1.21	0.406	1.53	0.780B	0.570B	5
6	0.118B	0.010B	0.220B	2.63B	11.5	19.9	19.4	0.950	0.406	1.48	0.770B	0.560B	6
7	0.118B	0.015B	0.210B	2.30B	15.1	20.5	18.9	0.821	0.406	1.37	0.750B	0.540B	7
8	0.110B	0.015B	0.210B	2.20B	18.9	20.6	19.3	0.744	0.396	1.28	0.730B	0.520B	8
9	0.100B	0.018B	0.400B	3.00B	20.5	20.1	19.7	0.741	0.408	1.24	0.725B	0.490B	9
10	0.100B	0.018B	2.70 B	4.00B	21.0	18.8	19.7	0.711	0.363	1.19	0.725B	0.470B	10
11	0.100B	0.050B	8.50 B	6.00B	20.6	18.1	19.4	0.648	0.343	1.16	0.730B	0.460B	11
12	0.110B	0.090B	15.0 B	12.0 B	20.2	17.7	18.9	0.635	0.406E	1.05	0.760B	0.450B	12
13	0.140B	0.130B	13.3 B	92.0 B	19.9	17.1	18.8	0.572	0.405E	1.03	0.750B	0.450B	13
14	0.190B	0.190B	10.8 B	112 A	21.0	16.7	18.6	0.538	0.408E	0.974	0.750B	0.460B	14
15	0.200B	0.240B	8.40 B	71.6	22.6	16.6	18.1	0.506	0.396E	0.951	0.740B	0.470B	15
16	0.190B	0.290B	6.00 B	35.8	23.4	16.6	19.0	0.487	0.534	0.952	0.730B	0.478B	16
17	0.180B	0.270B	3.90 B	24.6	23.9	16.5	18.9	0.481	0.599	0.941	0.720B	0.470B	17
18	0.140B	0.200B	2.79 B	19.9	24.1	16.4	18.7	0.510	0.573	0.925	0.690B	0.460B	18
19	0.120B	0.140B	2.30 B	17.0	24.5	16.8	18.6	0.496	0.520	0.880	0.670B	0.460B	19
20	0.100B	0.130B	2.20 B	13.3	25.1	18.5	18.3	0.468	0.517	0.963	0.630B	0.460B	20
21	0.060B	0.170B	2.90 B	11.4	25.2	19.9	18.1	0.469	0.509	1.07	0.600B	0.470B	21
22	0.040B	0.220B	3.00 B	11.4	24.5	20.7	17.8	0.480	0.468	1.11	0.570B	0.470B	22
23	0.040B	0.290B	2.92 B	28.0 A	24.0	21.7	17.5	0.536A	0.480	1.01	0.550B	0.480B	23
24	0.030B	0.400B	2.70 B	38.1 A	23.9	21.8	17.4	0.548E	0.591	0.970	0.530B	0.490B	24
25	0.030B	0.500B	1.90 B	31.5	23.9	21.7	17.6	0.531E	0.628	0.956	0.505B	0.500B	25
26	0.048B	0.580B	1.70 B	16.7	23.9	21.8	17.5	0.593A	0.642	0.932	0.490B	0.510B	26
27	0.040B	0.530B	2.00 B	12.0	24.9	21.7	17.4	0.616E	0.863A	0.921	0.480B	0.520B	27
28	0.030B	0.460B	2.90 B	10.9	26.6	21.6	14.5	0.606E	1.09	0.880	0.480B	0.520B	28
29	0.030B		4.70 B	10.7	29.7	22.0	10.2	0.606E	1.35	0.862	0.490B	0.520B	29
30	0.040B		6.50 B	10.5	28.2	26.3	7.31	0.591E	1.49	0.880B	0.500B	0.530B	30
31	0.030B		3.77 B		26.4		5.09	0.542E		0.850B		0.530B	31
TOTAL	3.024	5.046	113.440	614.88	641.98	598.6	559.20	25.646	17.049	34.657	19.986	15.533	TOTAL
MEAN	0.098	0.180	3.66	20.5	20.7	20.0	18.0	0.827	0.568	1.12	0.666	0.501	MEAN
MAX	0.200	0.580	15.0	112	29.7	26.3	26.1	3.42	1.49	1.64	0.830	0.580	MAX
MIN	0.030	0.010	0.210	2.20	8.00	16.4	5.09	0.468	0.343	0.840	0.480	0.460	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.26
MAXIMUM DAILY, 112A ON APR 14
MINIMUM DAILY, 0.010B ON FEB 5
MAXIMUM INSTANTANEOUS,
136 AT 02:55 MST ON APR 14

SUMMARY FOR THE YEAR 1982

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 37 N
LONG 112 04 44 W

DRAINAGE AREA, 2 720 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	261	JUL	48 300
FEB	436	AUG	2 220
MAR	9 800	SEP	1 470
APR	53 100	OCT	3 000
MAY	55 500	NOV	1 730
JUN	51 700	DEC	1 340

TOTAL DISCHARGE, 229 000 dam³

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.200B	1.26 B	8.97	9.47	5.54	0.197	0.006	0.895	0.349B	---	1
2	---	---	0.200B	1.14 B	9.30	9.12	4.73	0.195	0.017	0.851	0.311B	---	2
3	---	---	0.210B	1.07 B	7.84	6.99	3.29	0.186	0.017	0.785	---	---	3
4	---	---	0.242B	1.00 B	7.80	5.91	2.39	0.176	0.037	0.770	---	---	4
5	---	---	0.280B	0.960B	5.97	5.31	1.86	0.162	0.049	0.765	---	---	5
6	---	---	0.360B	0.930B	4.62	5.34	1.55	0.099	0.041	0.698	---	---	6
7	---	---	0.460B	0.906B	4.21	5.59	1.47	0.069	0.029	0.678	---	---	7
8	---	---	0.560B	0.900B	4.46	5.84	1.42	0.046	0.017	0.633	---	---	8
9	---	---	0.660B	0.900B	4.74	4.87	1.36	0.037	0.009	0.565	---	---	9
10	---	---	0.770B	0.980B	4.41	4.08	1.31	0.035	0.005	0.522	---	---	10
11	---	---	0.930B	3.00 B	3.82	3.64	1.16	0.070	0.001	0.491	---	---	11
12	---	---	1.10 B	33.0 B	3.41	3.34	1.09	0.098	0.002	0.460	---	---	12
13	---	---	1.30 B	61.7 B	3.31	3.08	0.995	0.052	0.003	0.450	---	---	13
14	---	---	1.34 B	60.8	4.84	2.91	0.956	0.123	0.006	0.462	---	---	14
15	---	---	1.29 B	23.3	4.68	2.78	0.904	0.187	0.008	0.456	---	---	15
16	---	---	1.20 B	11.8	4.99	2.83	0.904	0.162	0.007	0.451	---	---	16
17	---	---	1.10 B	7.83	5.36	2.66	0.877	0.140	0.006	0.443	---	---	17
18	---	---	1.06 B	7.01	5.58	2.81	0.846	0.121	0.092	0.454	---	---	18
19	---	---	1.03 B	5.77	5.95	2.58	0.817	0.099	0.217	0.380B	---	---	19
20	---	---	1.02 B	4.56	6.22	2.27	0.786	0.083	0.218	0.452B	---	---	20
21	---	---	1.00 B	3.68	5.35	2.05	0.650	0.057	0.236	0.467	---	---	21
22	---	---	1.00 B	4.39	4.58	1.89	0.485	0.039	0.227	0.454	---	---	22
23	---	---	0.996B	20.5	4.30	1.74	0.418	0.040	0.201	0.458	---	---	23
24	---	---	1.04 B	25.0	4.20	1.67	0.372	0.036	0.182	0.458	---	---	24
25	---	---	1.13 B	14.2	3.95	1.70	0.311	0.030	0.176	0.455	---	---	25
26	---	---	1.23 B	7.21	3.81	1.67	0.304	0.032	0.172	0.442	---	---	26
27	---	---	1.38 B	6.12	4.64	1.73	0.255	0.035	0.236	0.436	---	---	27
28	---	---	1.57 B	6.39	6.78	2.16	0.195	0.027	0.367	0.437	---	---	28
29	---		1.72 B	7.22	11.5	2.12	0.182	0.023	0.414	0.443	---	---	29
30	---		1.62 B	6.13	10.3	6.05	0.164	0.021	0.637	0.436B	---	---	30
31	---		1.42 B		8.11		0.150	0.012		0.357B		---	31
TOTAL	---	---	29.418	333.656	168.46	114.20	37.741	2.669	3.635	16.504	---	---	TOTAL
MEAN	---	---	0.949	11.1	5.43	3.81	1.22	0.086	0.121	0.532	---	---	MEAN
MAX	---	---	1.72	61.7	11.5	9.47	5.54	0.197	0.637	0.895	---	---	MAX
MIN	---	---	0.200	0.900	3.31	1.67	0.150	0.012	0.001	0.357	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.88
MAXIMUM DAILY, 61.7B ON APR 13
MINIMUM DAILY, 0.001 ON SEP 11

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 112 32 40 W
DRAINAGE AREA, 1 050 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 360
FEB	---	AUG	231
MAR	2 540	SEP	314
APR	28 800	OCT	1 430
MAY	14 500	NOV	---
JUN	9 870	DEC	---

TOTAL DISCHARGE, 60 900 dam³

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	12.3	25.5	21.3	6.79	0.540E	1.46	0.973E	---	1
2	---	---	---	---	11.5	25.8	25.8	5.27	0.500E	1.38	0.794E	---	2
3	---	---	---	---	9.99	29.0	23.7	3.90	0.440E	1.39	0.614E	---	3
4	---	---	---	---	8.43	29.9	21.3	2.96	0.400E	1.35	---	---	4
5	---	---	---	---	9.00	28.8	18.9	2.24	0.370E	1.48	---	---	5
6	---	---	---	---	13.2	27.2	18.5	1.80	0.340E	1.60	---	---	6
7	---	---	---	---	12.8	26.3	18.2	1.45	0.310E	1.58	---	---	7
8	---	---	---	---	13.4	26.3	18.3	1.16	0.290E	1.48	---	---	8
9	---	---	---	---	17.7	25.3	18.2	1.07	0.277A	1.39	---	---	9
10	---	---	---	---	22.2	24.5	18.8	1.20	0.275E	1.36	---	---	10
11	---	---	---	---	22.2	24.0	19.4	1.55	0.270E	1.34	---	---	11
12	---	---	---	---	21.7	21.6	19.7	1.63 E	0.270E	1.33	---	---	12
13	---	---	---	---	21.4	21.0	19.4	1.50 E	0.280E	1.31	---	---	13
14	---	---	---	---	20.4	20.1	19.3	1.35 E	0.280E	1.29	---	---	14
15	---	---	---	---	20.3	19.9	18.4	1.10 E	0.280E	1.23	---	---	15
16	---	---	---	---	22.2	19.8	17.9	0.830E	0.285E	1.16	---	---	16
17	---	---	---	---	23.3	18.6	18.6	0.750E	0.290E	1.09	---	---	17
18	---	---	---	---	23.3	17.1	19.9	0.707A	0.290E	1.16	---	---	18
19	---	---	---	---	24.4	16.7	19.3	0.700E	0.285E	1.16	---	---	19
20	---	---	---	---	23.9	16.0	19.4	0.690E	0.283E	1.14	---	---	20
21	---	---	---	---	25.6	15.7	19.5	0.660E	0.280E	1.22	---	---	21
22	---	---	---	---	27.2	17.6	19.5	0.620E	0.275E	1.17	---	---	22
23	---	---	---	---	28.2	18.3	18.6	0.630E	0.273E	1.14 E	---	---	23
24	---	---	---	---	26.6	18.5	18.6	0.660E	0.275E	1.11 E	---	---	24
25	---	---	---	---	26.4	19.8	18.2	0.630E	0.280E	1.08 E	---	---	25
26	---	---	---	---	25.7	19.6	18.6	0.590E	0.285E	1.04	---	---	26
27	---	---	---	---	25.9	19.7	18.8	0.650Z	2.16 A	1.01 E	---	---	27
28	---	---	---	14.5A	27.3	19.7	18.5	0.610E	1.90	0.985E	---	---	28
29	---		---	13.8	29.5	18.8	17.4	0.580E	1.87	0.975E	---	---	29
30	---		---	12.4	31.9	19.5	13.3	0.572A	1.63	0.970E	---	---	30
31	---		---		28.6		9.36	0.550E		0.964E		---	31
TOTAL	---	---	---	---	656.47	650.7	584.66	45.409	15.783	38.224	---	---	TOTAL
MEAN	---	---	---	---	21.2	21.7	18.9	1.46	0.526	1.23	---	---	MEAN
MAX	---	---	---	---	31.9	29.9	25.8	6.79	2.16	1.68	---	---	MAX
MIN	---	---	---	---	8.43	15.7	9.36	0.550	0.270	0.964	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.8
MAXIMUM DAILY, 31.9 ON MAY 30
MINIMUM DAILY, 0.270E ON SEP 11
MAXIMUM INSTANTANEOUS,
30.3 AT 17:30 MST ON MAY 30

SUMMARY FOR THE MONTHS MAY TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 25 N
LONG 110 52 15 W
DRAINAGE AREA, 6 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	50 500
FEB	---	AUG	3 930
MAR	---	SEP	1 340
APR	---	OCT	3 300
MAY	56 700	NOV	---
JUN	56 200	DEC	---

TOTAL DISCHARGE, 172 000 dam³

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	9.87	24.4	30.0	3.03	0.547	1.31	0.749B	---	1
2	---	---	---	---	8.35	25.2	28.4	1.93	0.499	1.33	0.596B	---	2
3	---	---	---	---	6.81	24.3	25.9	1.50	0.469	1.39	0.298B	---	3
4	---	---	---	---	8.19	22.1	23.2	1.23	0.461	1.48	---	---	4
5	---	---	---	---	12.5	20.8	22.2	1.09	0.452	1.49	---	---	5
6	---	---	---	---	11.4	20.5	21.5	0.944	0.432	1.48	---	---	6
7	---	---	---	---	11.9	21.5	20.9	0.844	0.416	1.45	---	---	7
8	---	---	---	---	16.2	21.4	20.7	0.868A	0.391	1.40	---	---	8
9	---	---	---	---	19.9	21.3	20.8	0.874A	0.389	1.34	---	---	9
10	---	---	---	---	20.6	20.3	20.9	0.879	0.407	1.29	---	---	10
11	---	---	---	---	20.2	18.9	20.5	0.905	0.405	1.23	---	---	11
12	---	---	---	---	19.3	18.1	20.0	0.831	0.405	1.20	---	---	12
13	---	---	---	---	18.9	17.4	19.7	0.748	0.408	1.16	---	---	13
14	---	---	---	---	19.0	16.9	19.6	0.719	0.396	1.12	---	---	14
15	---	---	---	---	21.1	16.5	18.9	0.677	0.406	1.08	---	---	15
16	---	---	---	---	22.5	16.0	19.0	0.647	0.475	1.06	---	---	16
17	---	---	---	---	23.3	16.3	20.3	0.644	0.493	1.10	---	---	17
18	---	---	---	---	24.0	16.1	19.8	0.640	0.523	1.15	---	---	18
19	---	---	---	---	24.6	16.3	19.5	0.607	0.518	1.13	---	---	19
20	---	---	---	---	25.6	17.1	19.3	0.580	0.502	1.08	---	---	20
21	---	---	---	---	26.1	19.1	19.1	0.576	0.492	1.04	---	---	21
22	---	---	---	---	25.4	20.4	18.6	0.559	0.496	1.06	---	---	22
23	---	---	---	---	24.2	21.3	18.2	0.576	0.494	1.10	---	---	23
24	---	---	---	---	24.0	22.4	17.9	0.588	0.482	1.10	---	---	24
25	---	---	---	---	23.8	22.6	18.0	0.571	0.467	1.07	---	---	25
26	---	---	---	---	24.3	22.9	18.3	0.595	0.568	1.05	---	---	26
27	---	---	---	---	25.6	23.4	18.0	0.656	1.17	1.05	---	---	27
28	---	---	---	10.5A	27.4	23.4	17.2	0.686	1.24	1.01	---	---	28
29	---		---	10.5	32.6	24.0	13.5	0.686	1.26	1.01	---	---	29
30	---		---	10.7	32.5	26.0	9.36	0.631	1.25	0.899	---	---	30
31	---		---		28.0		5.94	0.582		0.895B		---	31
TOTAL	---	---	---	---	638.12	616.9	605.20	26.813	16.913	36.654	---	---	TOTAL
MEAN	---	---	---	---	20.6	20.6	19.5	0.865	0.564	1.18	---	---	MEAN
MAX	---	---	---	---	32.5	26.0	30.0	3.03	1.26	1.49	---	---	MAX
MIN	---	---	---	---	6.81	16.0	5.94	0.559	0.389	0.895	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 33.6 ON MAY 29
MINIMUM DAILY, 0.389 ON SEP 9
MAXIMUM INSTANTANEOUS,
34.7 AT 19:25 MST ON MAY 29

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 18 N
LONG 111 32 05 W
DRAINAGE AREA, 4 380 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	52 300
FEB	---	AUG	2 320
MAR	---	SEP	1 460
APR	---	OCT	3 170
MAY	55 100	NOV	---
JUN	53 300	DEC	---

TOTAL DISCHARGE, 168 000 dam³

MILK RIVER RIDGE RESERVOIR - STATION NO. 05AF030

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1022.454E	1019.681E	---	1022.309	1021.512	1019.127A	---	---	---	1
2	---	---	---	1022.456E	1019.734E	1022.178A	1022.416	1021.473	1019.051	---	1019.325A	---	2
3	---	---	---	1022.457E	1019.788E	1022.228E	1022.464	1021.434	1018.926	---	---	---	3
4	---	---	---	1022.458E	1019.841A	1022.279E	1022.435	1021.391	1018.786	---	---	---	4
5	---	---	---	1022.459E	1019.955E	1022.329E	1022.363	1021.356	1018.640	---	---	---	5
6	---	---	---	1022.460E	1020.069E	1022.379E	1022.333	1021.333	1018.499	---	---	---	6
7	---	---	---	1022.462A	1020.183E	1022.639A	1022.344	1021.282E	1018.379E	---	---	---	7
8	---	---	---	1022.446E	1020.297E	1022.693	1022.365	1021.233E	1018.259E	---	---	---	8
9	---	---	---	1022.430E	1020.411E	1022.529	1022.386	1021.185E	1018.139A	---	---	---	9
10	---	---	---	1022.413E	1020.524E	1022.528	1022.406	1021.136E	1017.956E	---	---	---	10
11	---	---	---	1022.397E	1020.638E	1022.509	1022.425	1021.087A	1017.774E	---	---	---	11
12	---	---	---	1022.381E	1020.752E	1022.489	1022.447	1021.032	1017.592E	---	---	---	12
13	---	---	---	1022.365E	1020.866A	1022.467	1022.435	1020.965	1017.410E	---	---	---	13
14	---	---	---	1022.349E	---	1022.426	1022.323	1020.897	1017.228E	---	---	---	14
15	---	---	---	1022.332E	---	1022.312	1022.242	1020.811	1017.046E	---	---	---	15
16	---	---	---	1022.316E	---	1022.265	1022.192	1020.732	1016.864A	---	---	---	16
17	---	---	1022.428A	1022.300A	---	1022.258	1022.154	1020.650	1016.665E	---	---	---	17
18	---	---	1022.438E	1022.172E	---	1022.233	1022.114	1020.545E	1016.465E	---	---	---	18
19	---	---	1022.431E	1022.045E	---	1022.228	1022.076	1020.448E	1016.265E	1010.130A	---	---	19
20	---	---	1022.433E	1021.918E	---	1022.257	1022.041	1020.335A	1016.065A	---	---	---	20
21	---	---	1022.435E	1021.791A	---	1022.246	1021.997	1020.265	1015.934	---	---	---	21
22	---	---	1022.437E	1021.550E	---	1022.219	1021.955	1020.177	1015.820	---	---	---	22
23	---	---	1022.438E	1021.310E	---	1022.219	1021.913	1020.097	1015.732	---	---	---	23
24	---	---	1022.440E	1021.069E	---	1022.200	1021.879	1020.002	1015.551	---	---	---	24
25	---	---	1022.442A	1020.829E	---	1022.192	1021.839	1019.880	1015.305	---	---	---	25
26	---	---	1022.444E	1020.589E	---	1022.185	1021.859	1019.757	1015.003	---	---	---	26
27	---	---	1022.446E	1020.348E	---	1022.180	1021.896	1019.651	1014.579	---	---	---	27
28	---	---	1022.448E	1020.108E	---	1022.182	1021.795	1019.546E	1014.128	---	---	---	28
29	---		1022.450E	1019.867E	---	1022.184	1021.781	1019.441E	1013.763	---	---	---	29
30	---		1022.452A	1019.627A	---	1022.230	1021.624	1019.337E	---	---	---	---	30
31	---		1022.453E		---		1021.557	1019.232E		---		---	31
MEAN	---	---	---	1021.805	---	---	1022.138	1020.588	---	---	---	---	MEAN
MAX	---	---	---	1022.462	---	---	1022.464	1021.512	---	---	---	---	MAX
MIN	---	---	---	1019.637	---	---	1021.557	1019.232	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 1022.529 ON JUN 9

MAXIMUM INSTANTANEOUS,
1022.533 AT 18:40 MST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 58 N
LONG 112 35 13 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 9.741 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.269B	0.223B	0.492	5.14	5.77	1.18	0.652	0.661	0.509B	---	1
2	---	---	0.235B	0.270B	0.655	6.49	4.99	1.16	0.639	0.686	0.515B	---	2
3	---	---	0.195B	0.265B	0.815	8.14	4.41	1.12	0.626	0.736	0.521B	---	3
4	---	---	0.183B	0.250B	0.909	9.68	3.99	1.07	0.701	0.725	0.528B	---	4
5	---	---	0.188B	0.265B	0.994	9.97	3.65	1.05	0.679	0.685	---	---	5
6	---	---	0.197B	0.280B	1.17	9.05	3.18	1.05	0.638	0.687	---	---	6
7	---	---	0.200B	0.290B	1.23	8.55	2.98	1.02	0.603	0.634	---	---	7
8	---	---	0.194B	0.330B	1.28	6.89	2.79	1.01	0.577	0.606	---	---	8
9	---	---	0.193B	0.400B	1.22	6.45	2.57	0.983	0.564	0.593	---	---	9
10	---	---	0.195B	0.500B	1.14	6.79	2.41	0.972	0.553	0.578	---	---	10
11	---	---	0.211B	0.600B	1.14	7.64	2.32	0.970	0.550	0.563	---	---	11
12	---	---	0.214B	0.825B	1.25	8.10	2.18	1.06	0.572	0.554	---	---	12
13	---	---	0.207B	0.985B	1.42	9.18	2.09	1.01	0.599	0.554	---	---	13
14	---	---	0.200B	1.00 B	1.67	9.63	2.13	0.969	0.572	0.553	---	---	14
15	---	---	0.208B	0.957B	1.92	9.27	2.06	0.944	0.570	0.553	---	---	15
16	---	---	0.191B	0.935B	1.88	9.08	2.05	0.927	0.634	0.556	---	---	16
17	---	---	0.190B	0.750B	1.75	8.16	1.97	0.908	0.623	0.565	---	---	17
18	---	---	0.185B	0.500B	1.83	7.18	1.89	0.865	0.614	0.571	---	---	18
19	---	---	0.186B	0.470B	1.96	6.97	1.82	0.844	0.602	0.554	---	---	19
20	---	---	0.195B	0.517B	1.84	7.03	1.75	0.833	0.590	0.539	---	---	20
21	---	---	0.211B	0.650B	2.83	6.87	1.71	0.814	0.580	0.527	---	---	21
22	---	---	0.223B	1.40 B	4.30	6.73	1.57	0.803	0.570	0.520	---	---	22
23	---	0.323B	0.231B	1.62 B	4.92	6.41	1.54	0.803	0.559	0.591	---	---	23
24	---	0.307B	0.237B	1.64 B	4.61	5.72	1.50	0.780	0.553	0.590	---	---	24
25	---	0.272B	0.240B	1.61 B	5.60	5.41	1.47	0.756	0.544	0.551	---	---	25
26	---	0.230B	0.242B	1.58 B	7.65	5.44	1.42	0.820	0.611	0.534	---	---	26
27	---	0.237B	0.248B	1.63 B	6.27	5.51	1.38	0.779	0.685	0.536	---	---	27
28	---	0.357B	0.252B	1.42 B	4.84	5.31	1.35	0.719	0.766	0.516	---	---	28
29	---		0.258B	1.00 B	3.90	5.48	1.31	0.710	0.769	0.505	---	---	29
30	---		0.260B	0.670	3.59	6.54	1.24	0.700	0.696	0.497	---	---	30
31	---		0.249B		4.06		1.21	0.678		0.503B		---	31
TOTAL	---	---	6.696	23.832	79.135	219.21	72.70	28.307	18.453	17.961	---	---	TOTAL
MEAN	---	---	0.216	0.794	2.55	7.31	2.35	0.913	0.615	0.579	---	---	MEAN
MAX	---	---	0.269	1.64	7.65	9.97	5.77	1.18	0.769	0.736	---	---	MAX
MIN	---	---	0.183	0.223	0.492	5.14	1.21	0.678	0.544	0.497	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.15
MAXIMUM DAILY, 9.97 ON JUN 5
MINIMUM DAILY, 0.223B ON APR 1
MAXIMUM INSTANTANEOUS,
10.3 AT 09:21 MST ON JUN 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 10 N
LONG 114 08 00 W
DRAINAGE AREA, 179 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 280
FEB	---	AUG	2 450
MAR	579	SEP	1 590
APR	2 060	OCT	1 550
MAY	6 840	NOV	---
JUN	18 900	DEC	---

TOTAL DISCHARGE, 39 700 dam³

NINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.232	0.033	1.36	0.105	0	0	0	0	---	1
2	---	---	0 B	0.132	0.026	1.32	0.070	0	0	0	0	---	2
3	---	---	0 B	0.097	0.020	1.64	0.049	0	0	0	0A	---	3
4	---	---	0 B	0.097	0.018	1.80	0.033	0	0	0	---	---	4
5	---	---	0 B	0.089	0.018	1.45	0.025	0	0	0	---	---	5
6	---	---	0 B	0.064	0.017	1.10	0.025	0	0	0	---	---	6
7	---	---	0 B	0.034	0.017	0.954	0.031	0	0	0	---	---	7
8	---	---	0 B	0.030	0.031	0.844	0.031	0	0	0	---	---	8
9	---	---	0.012B	0.026	0.032	0.611	0.030	0	0	0	---	---	9
10	---	---	0.035B	0.040	0.039	0.503	0.024	0	0	0	---	---	10
11	---	---	0.060B	0.142	0.036	0.430	0.018	0	0	0	---	---	11
12	---	---	0.054B	0.890	0.026	0.379	0.015	0	0	0	---	---	12
13	---	---	0.048B	1.23	0.020	0.327	0.012	0	0	0	---	---	13
14	---	---	0.042B	0.902	0.017	0.283	0.010	0	0	0	---	---	14
15	---	---	0.037B	0.538	0.014	0.372	0.009	0	0	0	---	---	15
16	---	---	0.032B	0.231	0.011	0.287	0.008	0	0	0	---	---	16
17	---	---	0.027B	0.160	0.010	0.228	0.010	0	0	0	---	---	17
18	---	---	0.020B	0.123	0.009	0.186	0.012	0	0	0	---	---	18
19	---	---	0.016B	0.107	0.008	0.160	0.013	0	0	0	---	---	19
20	---	---	0.012B	0.073	0.008	0.134	0.008	0	0	0	---	---	20
21	---	---	0.008B	0.056	0.007	0.107	0.006	0	0	0	---	---	21
22	---	---	0.006B	0.049	0.005	0.091	0.003	0	0	0	---	---	22
23	---	---	0.004B	0.087	0.006	0.076	0.001	0	0	0	---	---	23
24	---	---	0.003B	0.190	0.003	0.066	0	0	0	0	---	---	24
25	---	---	0.003B	0.178	0.003	0.058	0	0	0	0	---	---	25
26	---	---	0.080B	0.097	0.003	0.051	0	0	0	0	---	---	26
27	---	---	0.210B	0.062	0.008	0.054	0	0	0	0	---	---	27
28	---	---	0.350B	0.045	0.042	0.063	0	0	0	0	---	---	28
29	---		0.600B	0.050	0.260	0.073	0	0	0	0	---	---	29
30	---		0.450B	0.041	0.393	0.095	0	0	0	0	---	---	30
31	---		0.333		0.710		0	0		0		---	31
TOTAL	---	---	2.482	6.852	1.848	15.102	0.548	0	0	0	---	---	TOTAL
MEAN	---	---	0.079	0.283	0.060	0.503	0.018	0	0	0	---	---	MEAN
MAX	---	---	0.600	1.23	0.710	1.80	0.105	0	0	0	---	---	MAX
MIN	---	---	0	0.026	0.003	0.051	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.106
MAXIMUM DAILY, 1.80 ON JUN 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.06 AT 13:30 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 05 N
LONG 111 20 10 W
DRAINAGE AREA, 109 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	47.3
FEB	---	AUG	0
MAR	211	SEP	0
APR	536	OCT	0
MAY	160	NOV	---
JUN	1 300	DEC	---

TOTAL DISCHARGE, 2 260 dam³

MINISTIK LAKE NEAR NEW SAREPTA - STATION NO. 05EB013

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	756.894	756.799	756.868	756.843	---	---	---	1
2	---	---	---	---	---	756.882	756.823	756.870	756.838	---	---	---	2
3	---	---	---	---	---	756.881	756.842	756.866	756.837	---	---	---	3
4	---	---	---	---	756.989	756.879	756.878	756.857	756.837	---	---	---	4
5	---	---	---	---	---	756.886	756.894	756.852	756.845	756.815	---	---	5
6	---	---	---	---	---	756.889	756.893	756.852	756.844	---	---	---	6
7	---	---	---	---	---	756.879	756.887	756.846	756.845	---	---	---	7
8	---	---	---	---	---	756.878	756.886	756.839	---	---	---	---	8
9	---	---	---	---	---	756.872	756.888	756.831	---	---	---	---	9
10	---	---	---	---	---	756.868	756.886	756.836	---	---	---	---	10
11	---	---	---	---	---	756.866	756.883	756.840	---	---	---	---	11
12	---	---	---	---	---	756.863	756.881	756.841	---	---	---	---	12
13	---	---	---	---	---	756.859	756.875	756.838	---	---	---	---	13
14	---	---	---	---	---	756.851	756.869	756.848	---	---	---	---	14
15	---	---	---	---	---	756.851	756.870	756.851	---	---	---	---	15
16	---	---	---	---	---	756.846	756.868	756.850	---	---	---	---	16
17	---	---	---	---	---	756.841	756.860	756.847	---	---	---	---	17
18	---	---	---	---	---	756.838	756.859	756.845	---	---	---	---	18
19	---	---	---	---	756.947	756.835	756.858	756.841	---	---	---	---	19
20	---	---	---	---	756.936	756.826	756.854	756.836	---	---	---	---	20
21	---	---	---	---	756.933	756.823	756.854	756.838	---	---	---	---	21
22	---	---	---	---	756.928	756.824	756.894	756.840	---	---	---	---	22
23	---	---	---	---	756.943	756.820	756.897	756.837	---	---	---	---	23
24	---	---	---	---	756.924	756.816	756.895	756.840	---	---	---	---	24
25	---	---	---	---	756.924	756.812	756.890	756.840	---	756.810	---	---	25
26	---	---	---	---	756.917	756.810	756.888	756.840	---	---	---	---	26
27	---	---	---	---	756.917	756.804	756.886	756.835	---	---	---	---	27
28	---	---	---	---	756.912	756.802	756.883	756.841	---	---	---	---	28
29	---		---	---	756.908	756.796	756.879	756.839	---	---	---	---	29
30	---		---	---	756.902	756.793	756.877	756.842	---	---	---	---	30
31	---		---		756.899		756.871	756.841		---		---	31
MEAN	---	---	---	---	---	756.846	756.873	756.844	---	---	---	---	MEAN
MAX	---	---	---	---	---	756.894	756.897	756.870	---	---	---	---	MAX
MIN	---	---	---	---	---	756.793	756.799	756.826	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 47 N
LONG 113 03 20 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

NIQUELON LAKE AT PROVINCIAL PARK - STATION NO. 05EB014

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	762.471	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	762.393	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	762.437	---	---	---	7
8	---	---	---	---	---	---	762.512	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	762.364	---	---	---	---	762.452	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	762.477	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	762.372	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 14 42 N
LONG 113 53 25 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.890B	0.510B	0.730B	0.680B	0.690B	6.32	27.7	25.4	14.6	5.43	2.35B	1.53 B	1
2	0.850B	0.510B	0.740B	0.710B	0.710B	7.61	26.6	24.4	14.9	5.27	2.30B	1.51 B	2
3	0.825B	0.510B	0.760B	0.740B	0.735B	8.05	25.2	22.1	16.0	5.33	2.35B	1.50 B	3
4	0.800B	0.500B	0.795B	0.780B	0.760B	10.2	25.2	19.8	19.4	4.88	2.30B	1.50 B	4
5	0.770B	0.495B	0.810B	0.805B	0.795B	10.8	23.0	18.7	24.0	4.42	2.15B	1.48 B	5
6	0.725B	0.490B	0.835B	0.815B	0.830B	10.9	20.1	15.2	20.5	4.21	2.10B	1.46 B	6
7	0.690B	0.485B	0.850B	0.820B	0.870B	9.46	19.6	15.4	18.0	4.10	2.05B	1.44 B	7
8	0.645B	0.480B	0.862B	0.810B	0.900B	8.11	18.6	15.7	20.2	3.76	2.00B	1.35 B	8
9	0.625B	0.480B	0.870B	0.800B	0.940B	7.47	18.2	16.9	24.1	3.58	1.95B	1.25 B	9
10	0.680B	0.475B	0.875B	0.795B	0.995B	7.89	18.0	18.3	25.7	3.45	1.90B	1.15 B	10
11	0.595B	0.475B	0.870B	0.770B	1.05 A	10.1	17.8	19.0	19.9	3.28	1.85B	1.10 B	11
12	0.580B	0.475B	0.860B	0.750B	1.37	13.6	17.8	20.6	15.8	3.17	1.80B	1.05 B	12
13	0.575B	0.475B	0.840B	0.740B	1.60	18.1	17.2	18.1	12.8	3.06	1.75B	0.990B	13
14	0.570B	0.475B	0.825B	0.730B	1.85	21.8	18.0	15.9	10.7	3.03	1.70B	0.960B	14
15	0.565B	0.480B	0.805B	0.710B	2.19	24.6	21.2	14.8	9.24	3.01	1.68B	0.960B	15
16	0.563B	0.495B	0.795B	0.695B	2.75	24.7	18.0	12.5	8.36	3.02	1.66B	0.950B	16
17	0.563B	0.501B	0.775B	0,690B	3.30	23.9	15.9	13.0	7.64	3.39	1.64B	0.920B	17
18	0.563B	0.535B	0.760B	0.680B	4.32	23.3	16.1	14.6	7.22	3.51	1.62B	0.900B	18
19	0.563B	0.560B	0.740B	0.670B	4.77	24.5	18.9	13.9	7.01	3.49	1.61B	0.900B	19
20	0.560B	0.590B	0.720B	0.660B	4.98	26.3	21.3	13.5	6.74	3.31	1.62B	0.900B	20
21	0.555B	0.600B	0.695B	0.655B	5.27	28.0	29.5	14.2	6.63	3.17	1.60B	0.980B	21
22	0.550B	0.630B	0.680B	0.645B	6.07	29.6	33.8	14.8	6.62	3.13	1.58B	0.900B	22
23	0.550B	0.650B	0.660B	0.640B	6.68	28.1	28.1	14.3	6.62	3.21	1.56B	0.920B	23
24	0.555B	0.685B	0.655B	0.635B	6.69	25.7	22.3	13.3	6.65	3.22	1.54B	0.930B	24
25	0.550B	0.700B	0.645B	0.635B	7.86	27.8	19.3	12.7	6.67	3.20	1.52B	0.950B	25
26	0.550B	0.715B	0.640B	0.640B	8.23	26.6	18.1	13.7	7.08	3.04	1.50B	0.970B	26
27	0.540B	0.720B	0.635B	0.640B	7.40	28.3	17.8	14.9	7.33	3.02	1.50B	0.970B	27
28	0.530B	0.720B	0.640B	0.642B	6.42	30.6	18.3	16.5	7.23	2.90	1.52B	0.970B	28
29	0.525B		0.641B	0.655B	5.62	29.3	19.4	16.6	6.67	2.77A	1.53B	0.970B	29
30	0.520B		0.650B	0.670B	5.17	27.8	20.8	15.6	5.84	2.42B	1.55B	0.960B	30
31	0.515B		0.660B		5.42		22.2	15.4		2.40B		0.950B	31
TOTAL	19.057	15.416	23.318	21.307	107.095	579.51	654.0	507.8	370.15	109.09	53.58	34.216	TOTAL
MEAN	0.615	0.551	0.752	0.710	3.45	19.3	21.1	16.4	12.3	3.52	1.79	1.10	MEAN
MAX	0.890	0.720	0.875	0.820	8.23	30.6	33.8	25.4	25.7	5.43	2.35	1.53	MAX
MIN	0.515	0.475	0.635	0.635	0.690	6.32	15.9	12.5	5.84	2.40	1.50	0.900	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.83
MAXIMUM DAILY, 33.8 ON JUL 22
MINIMUM DAILY, 0.475B ON FEB 10
MAXIMUM INSTANTANEOUS,
34.6 AT 08:00 MST ON JUL 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 00 N
LONG 116 41 20 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 650	JUL	56 500
FEB	1 330	AUG	43 900
MAR	2 010	SEP	32 000
APR	1 840	OCT	9 430
MAY	9 250	NOV	4 630
JUN	50 100	DEC	2 960

TOTAL DISCHARGE, 216 000 dam³

MITCHELL RESERVOIR NEAR ELKWATER - STATION NO. 11AB099

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	33.858	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	34.383	---	---	6
7	---	---	31.996E	31.996E	33.604E	34.340E	34.748E	34.598E	34.619E	34.340E	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	31.996	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	31.996E	31.996E	33.578E	34.560E	34.710E	34.523E	34.392E	34.320E	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	32.741	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	31.996E	---	---	---	---	---	34.466	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	33.632E	33.549	34.785E	---	---	34.360E	---	---	---	27
28	---	31.996E	31.996E	33.631	33.544E	---	34.670	34.444E	---	34.299	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	33.625E	---	34.775	---	---	34.358E	---	---	---	30
31	---		31.996E		33.770E		34.648E	34.438E		34.292E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 28 N
LONG 110 05 24 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.018	0.020	0	0.013	0	0	0	---	1
2	---	---	0B	0 B	0.012	0.019	0	0.014	0	0	---	---	2
3	---	---	0B	0 B	0.009	0.017	2.02	0.019	0	0	---	---	3
4	---	---	0B	0 B	0.010	0.020	0.867	0.018	0	0	---	---	4
5	---	---	0B	0 B	0.012	0.016	0.329	0.015	0	0	---	---	5
6	---	---	0B	0 B	0.014	0.013	0.226	0.010	0	0	---	---	6
7	---	---	0B	0 B	0.009	0.011	0.179	0.008	0	0	---	---	7
8	---	---	0B	0 B	0.010	0.009	0.158	0.006	0	0	---	---	8
9	---	---	0B	0 B	0.015	0.007	0.139	0	0	0	---	---	9
10	---	---	0B	0 B	0.019	0.006	0.120	0	0	0	---	---	10
11	---	---	0B	0 B	0.020	0.004	0.109	0	0	0	---	---	11
12	---	---	0B	0 B	0.020	0.002	0.092	0	0	0	---	---	12
13	---	---	0B	0 B	0.017	0	0.077	0	0	0	---	---	13
14	---	---	0B	0.030B	0.014	0	0.070	0	0	0	---	---	14
15	---	---	0B	0.056B	0.012	0	0.050	0	0	0	---	---	15
16	---	---	0B	0.083B	0.009	0	0.044	0	0	0	---	---	16
17	---	---	0B	0.112B	0.007	0	0.045	0	0	0	---	---	17
18	---	---	0B	0.147B	0.006	0	0.039	0	0	0	---	---	18
19	---	---	0B	0.192B	0.010	0	0.034	0	0	0	---	---	19
20	---	---	0B	0.292	0.013	0	0.033	0	0	0	---	---	20
21	---	---	0B	0.188	0.012	0	0.040	0	0	0	---	---	21
22	---	---	0B	0.190	0.010	0	0.041	0	0	0	---	---	22
23	---	---	0B	0.191	0.011	0	0.034	0	0	0	---	---	23
24	---	---	0B	0.161	0.014	0	0.026	0	0	0	---	---	24
25	---	---	0B	0.133	0.011	0	0.021	0	0	0	---	---	25
26	---	---	0B	0.106	0.009	0	0.027	0	0	0	---	---	26
27	---	---	0B	0.055	0.010	0	0.027	0	0	0	---	---	27
28	---	---	0B	0.020	0.010	0	0.022	0	0	0	---	---	28
29	---		0B	0.019	0.009	0	0.019	0	0	0	---	---	29
30	---		0B	0.021	0.012	0	0.016	0	0	0	---	---	30
31	---		0B		0.019		0.015	0		0		---	31
TOTAL	---	---	0	1.996	0.383	0.144	4.919	0.101	0	0	---	---	TOTAL
MEAN	---	---	0	0.067	0.012	0.005	0.159	0.003	0	0	---	---	MEAN
MAX	---	---	0	0.292	0.020	0.020	2.02	0.019	0	0	---	---	MAX
MIN	---	---	0	0	0.006	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 2.02 ON JUL 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.79 AT 10:20 MST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 10 N
LONG 110 34 30 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	425
FEB	---	AUG	8.73
MAR	0	SEP	0
APR	172	OCT	0
MAY	33.1	NOV	---
JUN	12.4	DEC	---

TOTAL DISCHARGE, 651 dam³

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.01	0.207	0	0	0.007	0	---	---	1
2	---	---	0B	0 B	3.13	0.184	0	0.002	0.001	0	---	---	2
3	---	---	0B	0 B	3.36	0.157	0	0.004	0	0	---	---	3
4	---	---	0B	0 B	3.86	0.125	0.001	0.004	0	0	---	---	4
5	---	---	0B	0 B	4.17	0.109	0	0.026	0	0	---	---	5
6	---	---	0B	0 B	3.68	0.090	0	0.107	0	0	---	---	6
7	---	---	0B	0 B	3.19	0.064	0	0.115	0	0	---	---	7
8	---	---	0B	0 B	2.79	0.063	0	0.087	0	0	---	---	8
9	---	---	0B	0 B	2.62	0.201	0	0.049	0	0	---	---	9
10	---	---	0B	0 B	2.85	0.126	0	0.038	0	0	---	---	10
11	---	---	0B	0 B	1.69	0.060	0	0.026	0.005	0	---	---	11
12	---	---	0B	0 B	1.48	0.035	0	0.023	0.005	0	---	---	12
13	---	---	0B	0 B	1.32	0.024	0	0.022	0.001	0	---	---	13
14	---	---	0B	0 B	1.23	0.020	0	0.017	0	0	---	---	14
15	---	---	0B	0 B	1.20	0.018	0	0.016	0	0	---	---	15
16	---	---	0B	0 B	1.11	0.016	0	0.015	0	0	---	---	16
17	---	---	0B	0.001B	1.17	0.012	0	0.012	0	0	---	---	17
18	---	---	0B	0.001B	1.07	0.007	0	0.009	0	0	---	---	18
19	---	---	0B	0.013B	0.937	0.006	0	0.007	0	0	---	---	19
20	---	---	0B	0.015B	0.805	0.003	0	0.005	0	0	---	---	20
21	---	---	0B	0.067B	0.692	0.001	0	0.002	0	0	---	---	21
22	---	---	0B	0.072B	0.613	0	0.002	0.003	0	0	---	---	22
23	---	---	0B	0.307B	0.559	0	0	0.003	0	0	---	---	23
24	---	0B	0B	1.48	0.487	0	0	0.001	0	0.003	---	---	24
25	---	0B	0B	3.72	0.435	0	0	0.003	0	0	---	---	25
26	---	0B	0B	5.70	0.383	0	0	0.002	0	0	---	---	26
27	---	0B	0B	5.04	0.364	0	0	0.003	0	0.010	---	---	27
28	---	0B	0B	3.91	0.318	0	0	0.003	0	0.013A	---	---	28
29	---		0B	3.20	0.265	0	0	0.001	0	0.005B	---	---	29
30	---		0B	3.01	0.219	0	0	0.000	0	0.003B	---	---	30
31	---		0B		0.207		0	0.024		0.001B		---	31
TOTAL	---	---	0	26.536	48.199	1.528	0.003	0.641	0.019	0.035	---	---	TOTAL
MEAN	---	---	0	0.885	1.55	0.051	0	0.021	0.001	0.001	---	---	MEAN
MAX	---	---	0	5.70	4.17	0.207	0.002	0.115	0.007	0.013	---	---	MAX
MIN	---	---	0	0	0.207	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.314
MAXIMUM DAILY, 5.70 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.98 AT 13:00 MST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 23 00 N
LONG 118 42 40 W
DRAINAGE AREA, 230 km²
A - ANNUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.26
FEB	---	AUG	55.4
MAR	0	SEP	1.84
APR	2 290	OCT	3.82
MAY	4 160	NOV	---
JUN	132	DEC	---

TOTAL DISCHARGE, 6 640 dam³

MOOSE LAKE NEAR COLD LAKE - STATION NO. 06AC002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	549.506	549.482	---	549.509	549.459	---	---	1
2	---	---	---	---	---	549.508	549.495	---	549.508	549.453	---	---	2
3	---	---	549.455A	---	---	549.508	549.514	---	549.507	549.461	---	---	3
4	---	---	---	---	---	549.497	549.519	---	549.503	549.438	---	---	4
5	---	---	---	---	---	549.501	549.529	---	549.508	549.434	---	---	5
6	---	---	---	---	---	549.509	549.530	---	549.508	549.443	---	---	6
7	---	---	---	---	---	549.496	549.521	---	549.489	549.445	---	---	7
8	---	---	---	---	---	549.502	549.515	---	549.488	549.444	---	---	8
9	---	---	---	---	---	549.516	549.518	---	549.487	549.441	---	---	9
10	---	---	---	---	---	549.513	549.515	---	549.484	549.447	---	---	10
11	---	---	---	---	549.498A	549.508	549.512	---	549.476	549.440	---	---	11
12	---	---	---	---	549.507	549.518	549.511	---	549.484	549.439	---	---	12
13	---	---	---	---	549.510	549.518	549.521	---	549.489	549.438	---	---	13
14	---	---	---	---	549.508	549.503	549.514	---	549.484	549.438	---	---	14
15	---	---	---	---	549.510	549.502	549.512	---	549.485	549.434	---	---	15
16	---	---	---	---	549.511	549.507	549.507	---	549.483	549.419	---	---	16
17	---	---	---	---	549.508	549.508	549.522	549.498A	549.476	549.431	---	---	17
18	---	---	---	---	549.505	549.498	549.524	549.498	549.486	549.433	---	---	18
19	---	---	---	---	549.513	549.491	549.528	549.494	549.485	549.468	---	---	19
20	---	---	---	---	549.521	549.494	549.534	549.492	549.477	549.484	---	---	20
21	---	---	---	---	549.521	549.476	549.531	549.492	549.474	549.411	---	---	21
22	---	---	---	---	549.519	549.476	549.512	549.493	549.474	549.433	---	---	22
23	---	---	---	---	549.518	549.478	549.513	549.492	549.478	549.430	---	---	23
24	---	---	---	---	549.519	549.458	549.512	549.491	549.477	549.413	---	---	24
25	---	---	---	---	549.519	549.481	549.512	549.486	549.457	549.412	---	---	25
26	---	---	---	---	549.516	549.474	549.513	549.480	549.468	549.411	---	---	26
27	---	---	---	---	549.511	549.481	549.511	549.470	549.464	549.416A	---	---	27
28	---	---	---	---	549.510	549.474	549.509	549.471	549.453	---	---	---	28
29	---		---	---	549.505	549.477	549.509	549.470	549.452	---	---	---	29
30	---		---	---	549.502	549.472	549.508	549.490	549.460	---	---	---	30
31	---		---		549.507		549.505	549.511		---		---	31
MEAN	---	---	---	---	---	549.494	549.515	---	549.483	---	---	---	MEAN
MAX	---	---	---	---	---	549.518	549.534	---	549.509	---	---	---	MAX
MIN	---	---	---	---	---	549.458	549.482	---	549.452	---	---	---	MIN

WATER LEVELS IN METRES

A - MANUAL GAUGE

SUMMARY FOR THE YEAR 1982

MAXIMUM DAILY, 549.534 ON JUL 20

MAXIMUM INSTANTANEOUS,
549.551 AT 17:08 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 00 N
LONG 110 34 00 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.219	0.024	0.001	0	0.018	0	0.005	---	1
2	---	---	0B	0 B	0.187	0.007	0.001	0.025	0.011	0	0.008	---	2
3	---	---	0B	0 B	0.165	0	0.065	0.119	0.005	0	0.005A	---	3
4	---	---	0B	0 B	0.167	0	0.303	0.166	0.003	0	---	---	4
5	---	---	0B	0 B	0.138	0	0.490	0.130	0.001	0	---	---	5
6	---	---	0B	0 B	0.101	0	0.404	0.091	0	0	---	---	6
7	---	---	0B	0 B	0.087	0	0.237	0.060	0	0	---	---	7
8	---	---	0B	0 B	0.070E	0	0.146	0.023	0	0	---	---	8
9	---	---	0B	0 B	0.058E	0	0.098	0.026	0.002	0	---	---	9
10	---	---	0B	0 B	0.037E	0	0.064	0.014	0.009	0	---	---	10
11	---	---	0B	0 B	0.020E	0	0.046	0.012	0.028	0	---	---	11
12	---	---	0B	0 B	0.005A	0	0.028	0.005	0.019	0	---	---	12
13	---	---	0B	0 B	0.011	0	0.017	0	0.014	0	---	---	13
14	---	---	0B	0.001B	0.133	0	0.008	0	0.010	0	---	---	14
15	---	---	0B	0.002B	0.058	0	0.005	0	0.006	0	---	---	15
16	---	---	0B	0.002B	0.021	0	0	0	0.004	0	---	---	16
17	---	---	0B	0.010B	0.011	0	0	0	0.001	0	---	---	17
18	---	---	0B	0.025B	0.013	0	0	0.039	0	0	---	---	18
19	---	---	0B	0.045B	0.021	0	0.009	0.062	0	0	---	---	19
20	---	---	0B	0.063B	0.064	0	0.017	0.039	0	0	---	---	20
21	---	---	0B	0.084B	0.066	0	0.010	0.010	0	0.005	---	---	21
22	---	---	0B	0.306B	0.059	0	0.051	0.004	0	0	---	---	22
23	---	---	0B	0.406B	0.050	0.001	0.037	0	0	0	---	---	23
24	---	---	0B	0.551B	0.072	0	0.057	0	0	0	---	---	24
25	---	---	0B	0.555B	0.081	0	0.052	0	0	0	---	---	25
26	---	---	0B	0.358	0.070	0	0.023	0	0	0	---	---	26
27	---	---	0B	0.407	0.055	0	0.014	0	0	0	---	---	27
28	---	---	0B	0.406	0.015	0	0.008	0	0	0.001	---	---	28
29	---		0B	0.372	0.004	0	0	0	0	0	---	---	29
30	---		0B	0.308	0.008	0	0	0.006	0	0.005	---	---	30
31	---		0B		0		0	0.013		0.003		---	31
TOTAL	---	---	0	3.987	2.036	0.032	2.187	0.834	0.131	0.014	---	---	TOTAL
MEAN	---	---	0	0.133	0.066	0.001	0.071	0.027	0.004	0	---	---	MEAN
MAX	---	---	0	0.555	0.219	0.024	0.490	0.166	0.028	0.005	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.038
MAXIMUM DAILY, 0.555B ON APR 25
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 03 N
LONG 110 46 38 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	189
FEB	---	AUG	72.1
MAR	0	SEP	11.3
APR	344	OCT	1.21
MAY	176	NOV	---
JUN	2.76	DEC	---

TOTAL DISCHARGE, 796 dam^3

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 05AC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0	0.0	0.0	0.0 B	0.056	0.029	0.001	0.036	0.026	0.008	0.009B	0.008B	1
2	0.0	0.0	0.0	0.0 B	0.034B	0.035	0.002	0.051	0.022	0.009	0.009B	0.008B	2
3	0.0	0.0	0.0	0.0 B	0.018	0.030	0.004	0.090	0.019	0.009	0.009B	0.007B	3
4	0.0	0.0	0.0	0.0 B	0.021	0.026	0.066	0.092	0.015	0.009	0.009B	0.007B	4
5	0.0	0.0	0.0	0.001B	0.025	0.027	0.108	0.073	0.014	0.009	0.009B	0.007B	5
6	0.0	0.0	0.0	0.001B	0.028	0.031	0.097	0.062	0.015	0.009	0.009B	0.007B	6
7	0.0	0.0	0.0	0.001B	0.034	0.032	0.071	0.047	0.016	0.009	0.009B	0.007B	7
8	0.0	0.0	0.0	0.002B	0.031	0.034	0.010	0.041	0.015	0.009	0.009B	0.006B	8
9	0.0	0.0	0.0	0.002B	0.031	0.038	0.035	0.041	0.013	0.008	0.009B	0.006B	9
10	0.0	0.0	0.0	0.003B	0.027	0.023	0.031	0.034	0.010	0.008	0.009B	0.006B	10
11	0.0	0.0	0.0	0.003B	0.012B	0.014	0.019	0.034	0.016	0.007	0.009B	0.006B	11
12	0.0	0.0	0.0	0.004B	0.060	0.011	0.012	0.037	0.015	0.007	0.009B	0.006B	12
13	0.0	0.0	0.0	0.005B	0.085	0.008	0.012	0.035	0.015	0.007	0.009B	0.005B	13
14	0.0	0.0	0.0	0.007B	0.096	0.007	0.010	0.033	0.014	0.008	0.008B	0.005B	14
15	0.0	0.0	0.0	0.009B	0.010	0.007	0.010	0.031	0.017	0.007	0.008B	0.005B	15
16	0.0	0.0	0.0	0.012B	0.010	0.005	0.024	0.031	0.018	0.006	0.008B	0.005B	16
17	0.0	0.0	0.0	0.016B	0.012	0.004	0.028	0.029	0.016	0.008	0.008B	0.005B	17
18	0.0	0.0	0.0	0.035B	0.012	0.003	0.028	0.022	0.013	0.008	0.008B	0.004B	18
19	0.0	0.0	0.0	0.057B	0.013	0.002	0.031	0.018	0.010	0.008	0.008B	0.004B	19
20	0.0	0.0	0.0	0.092B	0.013	0.001	0.034	0.017	0.010	0.008	0.008B	0.004B	20
21	0.0	0.0	0.0	0.150B	0.013	0.001	0.029	0.015	0.010	0.008	0.008B	0.004B	21
22	0.0	0.0	0.0	0.220B	0.014	0.001	0.062	0.014	0.010	0.008	0.008B	0.004B	22
23	0.0	0.0	0.0	0.300B	0.027	0.001	0.077	0.014	0.010	0.009	0.008B	0.003B	23
24	0.0	0.0	0.0	0.350B	0.038	0.001	0.078	0.015	0.009	0.009	0.008B	0.003B	24
25	0.0	0.0	0.0	0.370B	0.029	0	0.029	0.014	0.010	0.009	0.008B	0.003B	25
26	0.0	0.0	0.0	0.349B	0.028	0	0.030	0.013	0.009	0.009	0.008B	0.003B	26
27	0.0	0.0	0.0	0.210B	0.032	0	0.044	0.012	0.008	0.009B	0.008B	0.003B	27
28	0.0	0.0	0.0	0.130B	0.035	0	0.045	0.013	0.007	0.009B	0.008B	0.002B	28
29	0.0		0.0	0.096B	0.030	0	0.043	0.013	0.007	0.009B	0.008B	0.002B	29
30	0.0		0.0	0.086	0.031	0	0.041	0.029	0.008	0.009B	0.008B	0.002B	30
31	0.0		0.0		0.032		0.035	0.030		0.009B		0.002B	31
TOTAL	0	0	0	2.511	0.767	0.369	1.154	1.036	0.405	0.258	0.253	0.149	TOTAL
MEAN	0	0	0	0.084	0.025	0.012	0.037	0.033	0.014	0.008	0.008	0.005	MEAN
MAX	0	0	0	0.370	0.060	0.038	0.108	0.092	0.026	0.009	0.009	0.008	MAX
MIN	0	0	0	0	0.005	0	0.001	0.012	0.007	0.006	0.008	0.002	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.370B ON APR 25
MINIMUM DAILY, 0.0 ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 20 25 N
LONG 111 00 10 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	99.7
FEB	0	AUG	89.5
MAR	0	SEP	35.0
APR	217	OCT	22.3
MAY	66.3	NOV	21.9
JUN	31.9	DEC	12.9

TOTAL DISCHARGE, 597 dam³

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.724B	0.338	0.933	4.67	0.489	0.549	0.476	---	---	1
2	---	---	0 B	0.685B	0.310	0.887	3.31	0.473	0.516	0.475	---	---	2
3	---	---	0 B	0.740B	0.278	0.848	1.72	0.493	0.516	0.465	---	---	3
4	---	---	0 B	0.569B	0.360	0.768	1.18	0.488	0.531	0.449	---	---	4
5	---	---	0 B	0.299B	0.267	0.765	0.989	0.498	0.513	0.441	---	---	5
6	---	---	0 B	0.315B	0.265	0.867	0.893	0.502	0.521	0.433	---	---	6
7	---	---	0 B	0.308B	0.269	1.08	0.835	0.512	0.505	0.426	---	---	7
8	---	---	0 B	0.288B	0.297	1.65	0.816	0.517B	0.479	0.376	---	---	8
9	---	---	0 B	0.361B	0.387	1.68	0.848	0.511B	0.472	0.401	---	---	9
10	---	---	0 B	0.511B	0.299	1.32	0.763	0.510B	0.488	0.406	---	---	10
11	---	---	0.001B	1.60 B	0.311	1.06	0.668	0.513B	0.486	0.404	---	---	11
12	---	---	0.004B	3.91	0.382	0.934	0.634	0.507B	0.499	0.399	---	---	12
13	---	---	0.006B	2.72	0.389	0.835	0.589	0.490B	0.506	0.393	---	---	13
14	---	---	0.011B	2.75	0.287	0.774	0.570	0.471B	0.496	0.388	---	---	14
15	---	---	0.014B	2.93	0.374	0.710	0.557	0.469B	0.503	0.386	---	---	15
16	---	---	0.125B	2.81 B	0.432	0.702	0.881	0.466B	0.490	0.373	---	---	16
17	---	---	0.107B	1.36	0.446	0.788	0.868	0.465B	0.490	0.373	---	---	17
18	---	---	0.076B	0.922	0.468	0.672	0.721	0.453	0.486	0.382	---	---	18
19	---	---	0.090B	0.760	0.507	0.643	0.693	0.458B	0.468	0.385	---	---	19
20	---	---	0.095B	0.586	0.514	0.632	0.572	0.456B	0.481	0.363	---	---	20
21	---	---	0.149B	0.520	0.493	0.617	0.569	0.466B	0.388	0.285	---	---	21
22	---	---	0.168B	0.549	0.487	0.559	0.534	0.476B	0.384	0.204	---	---	22
23	---	---	0.294B	0.648	0.588	0.595	0.472	0.504	0.379	0.153	---	---	23
24	---	---	0.389B	0.727	0.505	0.584	0.461	0.518	0.381	0.136	---	---	24
25	---	0.0	0.715B	0.684	0.515	0.572	0.451	0.538	0.379	0.127	---	---	25
26	---	0.0	0.455B	0.561	0.539	0.588	0.482	0.586	0.424	0.121	---	---	26
27	---	0.0	0.471B	0.469	0.698	0.612	0.586	0.605	0.488	0.109	---	---	27
28	---	0.0	0.546B	0.483	0.978	0.746	0.525	0.628	0.481	0.095A	---	---	28
29	---		0.681B	0.377	1.32	1.67	0.529	0.611	0.466	0.094B	---	---	29
30	---		1.04 B	0.368	1.76	2.79	0.505	0.636	0.474	0.090B	---	---	30
31	---		0.766B		1.01		0.492	0.579		0.090B		---	31
TOTAL	---	---	6.885	29.454	15.013	27.713	28.185	15.916	14.139	9.692	---	---	TOTAL
MEAN	---	---	0.287	0.982	0.484	0.924	0.909	0.513	0.471	0.313	---	---	MEAN
MAX	---	---	1.04	3.91	1.32	2.79	4.67	0.645	0.549	0.476	---	---	MAX
MIN	---	---	0	0.288	0.265	0.559	0.451	0.458	0.379	0.090	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.598
MAXIMUM DAILY, 4.67 ON JUL 1
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS
9.07 AT 10:56 MDT ON JUL 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 30 N
LONG 113 33 15 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 440
FEB	---	AUG	1 380
MAR	553	SEP	1 220
APR	2 540	OCT	837
MAY	1 380	NOV	---
JUN	2 390	DEC	---

TOTAL DISCHARGE, 12 700 dam³

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.040	0.881	1.71	0.814	2.58	0.783	0	---	1
2	---	---	---	0 B	0.044	0.295	1.38	1.68	2.45	0.786	0.096	---	2
3	---	---	---	0 B	0.034	0.541	1.02	2.07	2.43	0.793	0.039	---	3
4	---	---	---	0 B	0.027	0.547	0.995	2.30	2.02	0.796	0	---	4
5	---	---	---	0 B	0.025	0.578	0.990	3.18	2.74	0.796	0	---	5
6	---	---	---	0 B	0.025	0.644	0.968	3.13	2.62	0.790	0	---	6
7	---	---	---	0 B	0.025	0.621	0.953	3.10	2.53	0.787	0	---	7
8	---	---	---	0 B	0.025	0.218	0.936	3.13	2.09	0.779	0	---	8
9	---	---	---	0 B	0.028	0.198	0.918	3.18	1.88	0.759	0	---	9
10	---	---	---	0 B	0.031	0.194	0.936	3.19	1.83	0.756	0	---	10
11	---	---	---	0 B	0.039	0.188	0.933	3.19	1.83	0.751	0	---	11
12	---	---	---	0 B	0.033	0.194	0.948	3.16	1.87	0.761	0	---	12
13	---	---	---	0 B	0.031	0.201	0.938	3.13	1.83	1.10	0	---	13
14	---	---	---	0 B	0.034	0.215	1.15	3.02	1.78	1.62	0	---	14
15	---	---	---	0 B	0.032	1.12	1.33	2.95	1.77	1.62	0	---	15
16	---	---	---	0 B	0.031	1.87	1.31	2.92	1.78	1.63	0	---	16
17	---	---	---	0 B	0.035	1.84	1.25	2.89	1.78	1.66	0	---	17
18	---	---	---	0 B	0.292	1.75	1.24	2.92	1.78	1.67	0	---	18
19	---	---	---	0 B	0.442	1.72	1.21	2.93	1.75	1.66	0	---	19
20	---	---	---	0 B	0.381	1.75	1.68	2.93	1.47	1.10	0	---	20
21	---	---	---	0 B	0.374	2.26	2.27	2.92	1.21	0.009	0	---	21
22	---	---	---	0 B	0.370	2.88	2.25	2.94	1.22	0	0	---	22
23	---	---	---	0 B	0.338	2.87	2.56	2.95	1.21	0	0	---	23
24	---	---	---	0 B	0.379	2.79	2.97	2.87	1.22	0	0 B	---	24
25	---	---	---	0.046	0.377	2.46	2.95	2.77	1.20	0	0 B	---	25
26	---	---	---	0.055	0.352	2.22	0.776	2.75	1.21	0	0 B	---	26
27	---	---	---	0.063	0.378	2.21	0.028	2.71	1.24	0	0 B	---	27
28	---	---	---	0.062	0.259	2.21	0.025	2.64	0.994	0	0 B	---	28
29	---		---	0.052	0.100	2.23	0.023	2.60	0.813	0	0 B	---	29
30	---		0B	0.103	0.107	1.97	0.022	2.60	0.793	0	0 B	---	30
31	---		0B		0.105		0.017	2.53		0		---	31
TOTAL	---	---	---	0.381	4.813	38.666	36.638	87.094	52.360	21.402	0.135	---	TOTAL
MEAN	---	---	---	0.013	0.155	1.29	1.18	2.81	1.75	0.690	0.005	---	MEAN
MAX	---	---	---	0.103	0.442	2.88	2.97	3.30	2.74	1.67	0.096	---	MAX
MIN	---	---	---	0	0.025	0.081	0.017	0.014	0.793	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.990
MAXIMUM DAILY, 3.30 ON AUG 4
MINIMUM DAILY, 0B ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 00 N
LONG 113 41 30 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 170
FEB	---	AUG	7 520
MAR	---	SEP	4 530
APR	32.9	OCT	1 850
MAY	416	NOV	11.7
JUN	3 340	DEC	---

TOTAL DISCHARGE, 20 900 dam³

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.085B	1.25	4.20	2.17	0.948	0.562	0.298	---	1
2	---	---	---	---	0.085B	1.56	3.46	2.00	1.01	0.543	0.291	---	2
3	---	---	---	---	0.085B	2.10	3.59	1.83	1.17	0.562	0.278	---	3
4	---	---	---	---	0.085B	2.62	4.00	1.51	1.76	0.527	---	---	4
5	---	---	---	---	0.085B	2.93	3.18	1.33	2.07	0.491	---	---	5
6	---	---	---	---	0.085B	2.70	2.71	1.35	1.46	0.463	---	---	6
7	---	---	---	---	0.113B	2.07	2.65	1.44	1.37	0.457	---	---	7
8	---	---	---	---	0.142B	1.63	2.45	1.52	1.54	0.436	---	---	8
9	---	---	---	---	0.142B	1.47	2.31	1.61	1.59	0.403	---	---	9
10	---	---	---	---	0.142B	1.62	2.30	1.76	1.88	0.390	---	---	10
11	---	---	---	---	0.170B	2.48	2.42	2.05	1.36	0.382	---	---	11
12	---	---	---	---	0.198B	3.89	2.42	1.96	1.08	0.369	---	---	12
13	---	---	---	---	0.227B	5.30	2.19	1.81	0.943	0.358	---	---	13
14	---	---	---	---	0.255B	6.63	2.61	1.94	0.823	0.353	---	---	14
15	---	---	---	---	0.311B	7.37	2.69	1.66	0.758	0.366	---	---	15
16	---	---	---	---	0.425B	7.78	1.87	1.43	0.724	0.422	---	---	16
17	---	---	---	---	0.552	7.26	1.52	1.62	0.683	0.410	---	---	17
18	---	---	---	---	0.692	5.76	1.66	1.78	0.667	0.389	---	---	18
19	---	---	---	---	0.750	5.71	1.76	1.55	0.682	0.373	---	---	19
20	---	---	---	---	0.776	6.16	2.28	1.46	0.678	0.355	---	---	20
21	---	---	---	---	0.888	6.32	2.45	1.58	0.664	0.336	---	---	21
22	---	---	---	---	1.05	6.36	2.26	1.48	0.707	0.357	---	---	22
23	---	---	---	---	1.34	5.51	1.75	1.26	0.672	0.410	---	---	23
24	---	---	---	---	1.43	4.66	1.46	1.16	0.625	0.403	---	---	24
25	---	---	---	---	1.89	4.71	1.46	1.22	0.670	0.375	---	---	25
26	---	---	---	---	2.31	4.58	1.58	1.29	0.791	0.359	---	---	26
27	---	---	---	---	1.88	4.64	1.59	1.32	0.803	0.354	---	---	27
28	---	---	---	0.057B	1.47	4.65	1.75	1.45	0.721	0.337	---	---	28
29	---		---	0.057B	1.24	4.16	1.92	1.24	0.664	0.325	---	---	29
30	---		---	0.057B	1.11	4.22	2.16	1.11	0.595	0.285	---	---	30
31	---		---		1.11		2.29	1.01		0.280		---	31
TOTAL	---	---	---	---	21.123	127.98	72.68	47.86	30.108	12.432	---	---	TOTAL
MEAN	---	---	---	---	0.681	4.27	2.34	1.54	1.00	0.401	---	---	MEAN
MAX	---	---	---	---	2.31	7.78	4.20	2.17	2.07	0.562	---	---	MAX
MIN	---	---	---	---	0.085	1.25	1.46	1.01	0.595	0.280	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.70
MAXIMUM DAILY, 7.78 ON JUN 16
MINIMUM DAILY, 0.085B ON MAY 1
MAXIMUM INSTANTANEOUS, 7.96 AT 02:00 MST ON JUN 17

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 30 N
LONG 113 18 00 W

DRAINAGE AREA, 41.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 280
FEB	---	AUG	4 140
MAR	---	SEP	2 600
APR	---	OCT	1 070
MAY	1 830	NOV	---
JUN	11 100	DEC	---

TOTAL DISCHARGE, 27 000 dam³

MURIEL LAKE AT GURNEYVILLE - STATION NO. 05AC007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	559.732	559.676	559.668	559.650	559.562	559.504	559.505	1
2	---	---	---	---	---	559.708	559.688	559.685	559.650	559.569	559.500	559.506	2
3	---	559.658A	---	---	---	559.720	559.704	559.702	559.650	559.584	559.500	559.505	3
4	---	559.660	---	---	---	559.722	559.709	559.695	559.644	559.582	559.492	559.504	4
5	---	559.659	---	---	---	559.723	559.724	559.712	559.635	559.560	559.500	559.503	5
		559.658A	559.660A										
6	---	---	559.661	---	---	559.716	559.728	559.706	559.639	559.549	559.499	559.503	6
7	---	---	559.661A	---	---	559.715	559.728	559.707	559.665	559.560	559.497	559.503	7
8	---	---	---	---	---	559.706	559.726	559.699	559.656	559.557	559.495	559.505	8
9	---	---	---	---	---	559.718	559.724	559.670	559.658	559.555	559.494	559.508	9
10	---	---	---	---	---	559.716	559.720	559.661	559.660	559.555	559.494	559.511	10
11	---	---	---	---	559.716A	559.703	559.717	559.687	559.647	559.551	559.491	559.505	11
12	---	---	---	---	559.712	559.712	559.719	559.681	559.606	559.550	559.489	559.504	12
13	559.621A	---	---	---	559.713	559.709	559.716	559.678	559.602	559.547	559.488	559.505	13
14	559.621	---	---	---	559.713	559.711	559.709	559.672	559.612	559.550	559.489	559.504	14
15	559.621	---	---	---	559.713	559.703	559.709	559.674	559.632	559.548	559.488	559.503	15
16	559.624	---	---	---	559.709	559.706	559.709	559.681	559.632	559.554	559.486	559.503	16
17	559.624	---	---	---	559.713	559.705	559.704	559.703	559.630	559.537	559.487	559.504	17
18	559.625	---	---	---	559.707	559.699	559.703	559.702	559.630	559.531	559.487	559.506	18
19	559.626	---	---	---	559.716	559.696	559.698	559.697	559.622	559.531	559.494	559.506	19
20	559.624A	---	---	---	559.720	559.693	559.702	559.693	559.617	559.533	559.497	559.506	20
21	---	---	---	---	559.721	559.690	559.696	559.690	559.627	559.532	559.497	559.507	21
22	---	---	---	---	559.716	559.695	559.668	559.681	559.624	559.529	559.500	559.509	22
23	---	---	---	---	559.734	559.696	559.684	559.676	559.617	559.528	559.502	559.510	23
24	---	---	---	---	559.738	559.682	559.693	559.674	559.604	559.528	559.502	559.510	24
25	---	---	---	---	559.740	559.685	559.690	559.667	559.608	559.525	559.502	559.511	25
26	---	---	---	---	559.738	559.683	559.691	559.659	559.603	559.527	559.501	559.511	26
27	---	---	---	---	559.738	559.673	559.685	559.668	559.595	559.520	559.502	559.511	27
28	---	---	---	---	559.734	559.674	559.683	559.677	559.592	559.515	559.505	559.513	28
29	---		---	---	559.732	559.656	559.677	559.673	559.583	559.516	559.506	559.513	29
30	---		---	---	559.729	559.650	559.676	559.655	559.572	559.511	559.506	559.515	30
31	---		---		559.729		559.674	559.652		559.510		559.516	31
MEAN	---	---	---	---	---	559.700	559.701	559.682	559.625	559.542	559.496	559.507	MEAN
MAX	---	---	---	---	---	559.732	559.728	559.712	559.665	559.584	559.506	559.516	MAX
MIN	---	---	---	---	---	559.650	559.668	559.652	559.572	559.510	559.486	559.503	MIN

SUMMARY FOR THE YEAR 1982

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 15 N
LONG 110 45 05 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA912

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	0.096	0.096	0.110	0.098	---	---	1
2	---	---	---	---	---	---	0.212	0.093	0.116	0.123	---	---	2
3	---	---	---	---	---	---	1.81	0.081	0.098	0.184	---	---	3
4	---	---	---	---	---	---	7.76	0.067	0.111	0.310	---	---	4
5	---	---	---	---	---	---	13.4	0.058	0.424	0.192	---	---	5
6	---	---	---	---	---	---	8.15	0.060	0.490	0.128	---	---	6
7	---	---	---	---	---	---	3.99	0.050	0.247	0.107	---	---	7
8	---	---	---	---	---	---	2.59	0.049	0.157	0.103	---	---	8
9	---	---	---	---	---	---	1.95	0.053	0.138	0.087	---	---	9
10	---	---	---	---	0.228	---	1.36	0.045	0.154	0.088	---	---	10
11	---	---	---	---	---	---	0.596	0.037	0.119	0.094	---	---	11
12	---	---	---	---	---	---	0.373	0.051	0.099	0.078	---	---	12
13	---	---	---	---	---	---	0.317	0.047	0.094	0.079	---	---	13
14	---	---	---	---	---	---	0.333	0.058	0.076	0.079	---	---	14
15	---	---	---	---	---	---	0.558	0.101	0.076	0.160	---	---	15
16	---	---	---	0.080B	---	---	0.457	0.105	0.083	0.069	---	---	16
17	---	---	---	---	---	0.060A	0.273	0.082	0.095	0.070	---	---	17
18	---	---	---	---	---	0.060	0.187	0.061	0.080	0.085	---	---	18
19	---	---	---	---	---	0.059	0.149	0.049	0.078	0.091	---	---	19
20	---	---	---	5.08 B	---	0.054	0.128	0.040	0.054	0.090	---	---	20
21	---	---	---	4.12 B	---	0.036	0.295	0.042	0.052	0.136	---	---	21
22	---	---	---	---	---	0.032	1.65	0.047	0.058	0.106	---	---	22
23	---	---	---	10.7	---	0.050	1.14	0.052	0.062	0.098	---	---	23
24	---	---	---	7.54	---	0.050	0.424	0.064	0.047	0.106	---	---	24
25	---	---	---	3.67	---	0.055	0.237	0.139	0.066	0.114A	---	---	25
26	---	---	---	2.33	---	0.056	0.776	0.174	0.068	0.106E	---	---	26
27	---	---	---	---	---	0.052	1.17	0.164	0.074	0.103E	---	---	27
28	---	---	---	---	---	0.070	0.482	0.117	0.108	0.103E	---	---	28
29	---		---	1.92	---	0.094	0.233	0.128	0.089	0.103E	---	---	29
30	---		---	---	---	0.100	0.168	0.109	0.085	0.103E	---	---	30
31	---		---		---		0.116	0.119		0.103E		---	31
TOTAL	---	---	---	---	---	---	51.380	2.436	3.608	3.496	---	---	TOTAL
MEAN	---	---	---	---	---	---	1.66	0.079	0.120	0.113	---	---	MEAN
MAX	---	---	---	---	---	---	13.4	0.174	0.490	0.310	---	---	MAX
MIN	---	---	---	---	---	---	0.096	0.037	0.047	0.069	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 13.4 ON JUL 5

MAXIMUM INSTANTANEOUS,
15.7E AT 22:51 MST ON JUL 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 06 N
LONG 113 57 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	440
FEB	---	AUG	210
MAR	---	SEP	312
APR	---	OCT	302
MAY	---	NOV	---
JUN	---	DEC	---

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.194B	0.155B	0.134B	0.547B	13.6	7.40	0.824	1.09	0.352	0.794E	0.775B	0.395B	1
2	0.193B	0.154B	0.134B	0.537B	13.6	6.73	0.844	0.998	0.433	0.794E	0.765B	0.375B	2
3	0.192B	0.153B	0.134B	0.618B	13.3	6.14	0.851	0.916	0.490	0.793E	0.756B	0.355B	3
4	0.191B	0.151B	0.134B	0.673B	13.0	5.76	0.677	0.652	0.702	0.793E	0.745B	0.332B	4
5	0.190B	0.149B	0.134B	0.725B	13.0	5.57	0.863	0.815	0.472	0.793E	0.730B	0.309B	5
6	0.190B	0.147B	0.134B	0.776B	12.8	5.27	0.808	0.803	0.457	0.792E	0.715B	0.285B	6
7	0.190B	0.146B	0.134B	0.839B	12.4	4.91	0.617	0.818	0.524	0.792E	0.708B	0.270B	7
8	0.190B	0.145B	0.134B	0.972B	12.9	4.59	0.450	0.895	0.704	0.792E	0.700B	0.255B	8
9	0.190B	0.143B	0.134B	1.06 B	13.5	4.42	0.348	0.883	0.697	0.791E	0.692B	0.234B	9
10	0.190B	0.141B	0.134B	1.12 B	13.9	4.29	0.264	0.826	0.859	0.791E	0.687B	0.226B	10
11	0.189B	0.140B	0.134B	1.18 B	14.2	4.29	0.287	0.633	0.871	0.791E	0.683B	0.217B	11
12	0.188B	0.139B	0.140B	1.24 B	14.3	3.85	0.257	0.556	1.00	0.790E	0.680B	0.212B	12
13	0.187B	0.138B	0.138B	1.37 B	14.0	3.63	0.177	0.461	0.976	0.790E	0.675B	0.210B	13
14	0.185B	0.137B	0.136B	1.57 B	13.9	3.37	0.289	0.347	0.920	0.790E	0.670B	0.209B	14
15	0.182B	0.136B	0.134B	1.68 B	13.6	3.19	0.340	0.281	0.876	0.788E	0.662B	0.209B	15
16	0.179B	0.136B	0.134B	1.80 B	13.3	2.90	0.325	0.373	0.837	0.782E	0.652B	0.209B	16
17	0.176B	0.135B	0.134B	2.04 B	13.1	2.72	0.298	0.459	0.816	0.778E	0.640B	0.209B	17
18	0.174B	0.134B	0.134B	2.27 B	13.1	2.55	0.415	0.462	0.812A	0.772E	0.630B	0.209B	18
19	0.172B	0.134B	0.136B	2.74 B	13.1	2.42	0.602	0.527	0.809E	0.770B	0.615B	0.209B	19
20	0.171B	0.134B	0.139B	3.23 B	13.2	2.21	0.622	0.453	0.806E	0.769B	0.600B	0.209B	20
21	0.170B	0.134B	0.142B	3.79 B	13.2	1.99	1.09	0.357	0.803E	0.770B	0.580B	0.209B	21
22	0.169B	0.134B	0.147B	4.67 B	13.2	1.89	1.40	0.229	0.801E	0.773B	0.560B	0.209B	22
23	0.167B	0.134B	0.152B	5.80 B	12.9	1.69	1.54	0.327	0.800E	0.778B	0.540B	0.209B	23
24	0.165B	0.134B	0.173B	7.90 B	12.7	1.44	1.86	0.384	0.799E	0.784B	0.523B	0.209B	24
25	0.163B	0.134B	0.179B	9.62 B	12.2	1.30	2.00	0.335	0.798E	0.790B	0.508B	0.209B	25
26	0.161B	0.134B	0.229B	11.8 B	11.5	1.13	1.94	0.273	0.797E	0.794B	0.492B	0.209B	26
27	0.159B	0.134B	0.319B	13.5 B	10.8	0.991	1.77	0.243	0.797E	0.795B	0.473B	0.209B	27
28	0.158B	0.134B	0.244B	14.0 B	10.0	0.836	1.60	0.234	0.796E	0.795B	0.455B	0.209B	28
29	0.157B		0.335B	14.9	9.30	0.793	1.48	0.245	0.795E	0.792B	0.435B	0.212B	29
30	0.157B		0.459B	13.1	8.64	0.752	1.36	0.216	0.795E	0.790B	0.415B	0.215B	30
31	0.156B		0.497B		7.97		1.17	0.309		0.787B		0.218B	31
TOTAL	5.495	3.919	5.575	124.067	390.21	99.022	27.364	16.600	22.394	24.393	18.761	7.459	TOTAL
MEAN	0.177	0.140	0.180	4.14	12.6	3.30	0.883	0.535	0.746	0.787	0.625	0.241	MEAN
MAX	0.194	0.155	0.497	14.0	14.3	7.40	2.00	1.09	1.00	0.795	0.775	0.395	MAX
MIN	0.156	0.134	0.134	0.537	7.97	0.752	0.177	0.216	0.352	0.769	0.415	0.209	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.04
MAXIMUM DAILY, 14.3 ON MAY 12
MINIMUM DAILY, 0.134B ON FEB 18
MAXIMUM INSTANTANEOUS,
24.3B AT 06:09 MST ON APR 28

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 11 30 N
LONG 111 34 05 W
DRAINAGE AREA, 1 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	475	JUL	2 360
FEB	339	AUG	1 430
MAR	482	SEP	1 930
APR	10 700	OCT	2 110
MAY	33 700	NOV	1 620
JUN	8 560	DEC	644

TOTAL DISCHARGE, 64 400 dam³

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.580B	1.03 B	0.600B	0.780B	2.33B	17.2	16.4	9.73	9.08	8.95E	3.35E	2.32B	1
2	0.570B	1.04 B	0.600B	0.770B	4.20B	17.9	18.9	20.9	8.53	9.35E	3.05A	2.26B	2
3	0.560B	1.06 B	0.600B	0.780B	5.40B	18.6	21.8	43.5	7.96	9.50E	4.49	2.20B	3
4	0.540B	1.08 B	0.610B	0.790B	3.70B	18.4	33.2	37.4	9.03	9.30E	5.63	2.13B	4
5	0.530B	1.05 B	0.620B	0.810B	2.64B	18.6	41.0	28.4	12.6	9.00E	4.83	2.05B	5
6	0.530B	1.03 B	0.650B	0.840B	3.47B	17.5	41.2	22.1	12.4	8.70E	4.83	2.00B	6
7	0.530B	1.01 B	0.680B	0.860B	4.09B	15.7	35.5	18.5	11.2	8.30E	2.78B	2.06B	7
8	0.530B	1.00 B	0.700B	0.880B	3.88B	14.5	28.7	15.7	10.9	7.95E	2.72B	2.12B	8
9	0.520B	0.990B	0.710B	0.890B	3.93B	13.9	23.7	14.1	11.2	7.50E	2.55B	2.11B	9
10	0.520B	0.930B	0.730B	0.910B	5.92B	14.6	20.6	16.4	11.2	7.30E	2.57B	2.08B	10
11	0.520B	0.910B	0.740B	0.920B	8.40B	15.3	18.2	14.8	10.5	7.20E	2.60B	2.02B	11
12	0.540B	0.890B	0.760B	0.950B	8.92B	15.6	16.7	13.0	10.6	7.10E	2.63B	1.98B	12
13	0.560B	0.870B	0.770B	0.980B	9.94B	15.6	15.8	11.6	10.8	6.90E	2.69B	1.92B	13
14	0.580B	0.880B	0.790B	0.997B	12.2 B	15.9	17.1	11.2	10.3	7.00E	2.71B	1.87B	14
15	0.600B	0.910B	0.800B	1.00 B	15.6 B	15.4	57.5	12.3	9.77	7.00E	2.70B	1.84B	15
16	0.620B	0.960B	0.810B	1.00 B	19.1 B	14.4	52.2	21.9	9.43	6.90E	2.60B	1.79B	16
17	0.640B	0.990B	0.820B	1.00 B	23.0	13.0	42.5	22.1	8.94	6.60E	2.48B	1.73B	17
18	0.620B	0.970B	0.830B	1.01 B	26.6	12.5	33.2	17.9	8.45	6.35E	2.37B	1.65B	18
19	0.600B	0.930B	0.860B	1.01 B	24.9	12.6	27.4	14.5	8.06	6.10E	2.27B	1.55B	19
20	0.580B	0.890B	0.870B	1.02 B	23.4	12.7	22.9	12.6	7.79	5.95E	2.20B	1.52B	20
21	0.570B	0.850B	0.910B	1.02 B	22.7	12.7	20.1	12.0	7.52	5.90E	2.23B	1.51B	21
22	0.560B	0.800B	0.915B	1.20 B	25.3	12.4	18.4	12.0	7.37	6.00E	2.37B	1.50B	22
23	0.550B	0.789B	0.923B	1.34 B	24.6	11.5	16.5	11.4	7.14	6.00E	2.50B	1.52B	23
24	0.570B	0.720B	0.940B	1.45 B	22.0	10.4	14.7	10.7	6.89	5.70E	2.36B	1.54B	24
25	0.600B	0.660B	0.970B	1.40 B	30.1	10.1	14.1	10.9	6.76	5.20E	2.32B	1.57B	25
26	0.650B	0.630B	0.980B	1.70 B	27.0	9.82	12.7	11.8	7.51	4.80E	2.38B	1.59B	26
27	0.770B	0.610B	0.960B	2.25 B	22.4	10.3	11.8	11.5	7.93	4.40E	2.50B	1.61B	27
28	0.860B	0.600B	0.930B	2.18 B	20.1	15.6	10.8	10.9	9.33A	4.10E	2.48B	1.63B	28
29	0.930B		0.890B	2.08 B	17.9	15.6	10.0	10.2	9.20E	3.85E	2.45B	1.62B	29
30	0.990B		0.840B	1.81 B	16.9	14.7	9.44	10.1	9.00E	3.75E	2.40B	1.61B	30
31	1.02 B		0.800B		16.8		8.82	9.66		3.60E		1.60B	31
TOTAL	19.340	25.079	24.608	34.627	457.42	433.02	731.86	499.79	277.39	206.25	86.06	56.50	TOTAL
MEAN	0.624	0.896	0.794	1.15	14.8	14.4	23.6	16.1	9.25	6.65	2.87	1.82	MEAN
MAX	1.02	1.08	0.980	2.25	30.1	18.6	57.5	43.5	12.6	9.50	5.63	2.32	MAX
MIN	0.520	0.600	0.600	0.770	2.33	9.82	8.82	9.66	6.76	3.60	2.20	1.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.81
MAXIMUM DAILY, 57.5 ON JUL 15
MINIMUM DAILY, 0.520B ON JAN 9
MAXIMUM INSTANTANEOUS,
65.9 AT 11:55 MST ON JUL 15

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 55 32 N
LONG 118 48 52 W
DRAINAGE AREA, 715 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 670	JUL	63 200
FEB	2 170	AUG	43 200
MAR	2 130	SEP	24 000
APR	2 990	OCT	17 800
MAY	39 500	NOV	7 440
JUN	37 400	DEC	4 880

TOTAL DISCHARGE, 246 000 dam³

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.88	0.015	0.081	0.092	0.076	0.015	---	---	1
2	---	---	0B	0 B	2.33	0.025	0.081	0.090	0.046	0.009	---	---	2
3	---	---	0B	0 B	1.88	0.013	0.088	0.094	0.054	0.044	---	---	3
4	---	---	0B	0 B	1.44	0.012	0.017	0.098	0.084	0.059	---	---	4
5	---	---	0B	0 B	1.15	0.013	0.023	0.098	0.088	0.038	---	---	5
6	---	---	0B	0 B	0.921	0.018	0.027	0.106	0.064	0.035	---	---	6
7	---	---	0B	0 B	0.734	0.016	0.030	0.109	0.039	0.031	---	---	7
8	---	---	0B	0 B	0.612	0.017	0.027	0.112	0.038	0.030	---	---	8
9	---	---	0B	0 B	0.500	0.018	0.021	0.109	0.063	0.023	---	---	9
10	---	---	0B	0 B	0.371	0.019	0.014	0.121	0.082	0.022	---	---	10
11	---	---	0B	0 B	0.283	0.020	0.007	0.139	0.080	0.027	---	---	11
12	---	---	0B	0 B	0.215	0.019	0.002	0.153	0.088	0.044	---	---	12
13	---	---	0B	0 B	0.186	0.017	0.001	0.127	0.082	0.035	---	---	13
14	---	---	0B	0 B	0.141	0.016	0	0.119	0.090	0.027	---	---	14
15	---	---	0B	0 B	0.150	0.017	0	0.117	0.096	0.020	---	---	15
16	---	---	0B	0.010B	0.138	0.020	0	0.121	0.092	0.033	---	---	16
17	---	---	0B	0.375B	0.160	0.023	0	0.164	0.100	0.063	---	---	17
18	---	---	0B	1.45 B	0.144	0.023	0	0.137	0.077	0.052	---	---	18
19	---	---	0B	2.56 B	0.171	0.020	0	0.109	0.029	0.037	---	---	19
20	---	---	0B	5.49 B	0.146	0.017	0	0.098	0.034	0.036	---	---	20
21	---	---	0B	11.9 B	0.116	0.014	0	0.123	0.066	0.029	---	---	21
22	---	---	0B	18.1 B	0.085	0.011	0.010	0.157	0.037	0.028	---	---	22
23	---	---	0B	18.0 B	0.079	0.009	0.018	0.160	0.037	0.032	---	---	23
24	---	---	0B	14.4 B	0.055	0.010	0.017	0.163	0.036	0.047	---	---	24
25	---	---	0B	11.1 B	0.083	0.010	0.030	0.160	0.027	0.061	---	---	25
26	---	---	0B	9.21	0.089	0.010	0.021	0.144	0.010	0.041	---	---	26
27	---	---	0B	8.23	0.063	0.009	0.012	0.133	0.007	0.050A	---	---	27
28	---	---	0B	6.55	0.054	0.008	0.016	0.124	0.002	0.050E	---	---	28
29	---		0B	4.84	0.031	0.004	0.027	0.114	0.003	0.050E	---	---	29
30	---		0B	3.59	0.021	0.002	0.026	0.104	0.016	0.050E	---	---	30
31	---		0B		0.016		0.039	0.096		0.050E		---	31
TOTAL	---	---	0	115.805	15.244	0.445	0.395	3.791	1.643	1.168	---	---	TOTAL
MEAN	---	---	0	3.86	0.492	0.015	0.013	0.122	0.055	0.038	---	---	MEAN
MAX	---	---	0	18.1	2.88	0.025	0.039	0.164	0.100	0.063	---	---	MAX
MIN	---	---	0	0	0.016	0.002	0	0.090	0.002	0.009	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.565
MAXIMUM DAILY, 18.1B ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
20.0 AT 01:00 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 40 N
LONG 112 51 30 W
DRAINAGE AREA, 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34.1
FEB	---	AUG	328
MAR	0	SEP	142
APR	10 000	OCT	101
MAY	1 320	NOV	---
JUN	38.4	DEC	---

TOTAL DISCHARGE, 12 000 dam³

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0	0	0	0	0	0	---	---	1
2	---	---	---	0E	0	0	0	0	0	0	---	---	2
3	---	---	---	0E	0	0	0	0	0	0	---	---	3
4	---	---	---	0E	0	0	0	0	0	0	---	---	4
5	---	---	---	0E	0	0	0	0	0	0	---	---	5
6	---	---	---	0E	0	0	0	0	0	0	---	---	6
7	---	---	---	0A	0	0	0	0	0	0	---	---	7
8	---	---	---	0	0	0	0	0	0	0	---	---	8
9	---	---	---	0	0	0	0	0	0	0	---	---	9
10	---	---	---	0	0	0	0	0	0	0	---	---	10
11	---	---	---	0	0	0	0	0	0	0	---	---	11
12	---	---	---	0	0	0	0	0	0	0	---	---	12
13	---	---	---	0	0	0	0	0	0	0	---	---	13
14	---	---	---	0	0	0	0	0	0	0	---	---	14
15	---	---	---	0	0	0	0	0	0	0	---	---	15
16	---	---	---	0	0	0	0	0	0	0	---	---	16
17	---	---	---	0	0	0	0	0	0	0	---	---	17
18	---	---	---	0	0	0	0	0	0	0	---	---	18
19	---	---	---	0	0	0	0	0	0	0	---	---	19
20	---	---	---	0	0	0	0	0	0	0	---	---	20
21	---	---	---	0	0	0	0	0	0	0	---	---	21
22	---	---	---	0	0	0	0	0	0	0	---	---	22
23	---	---	---	0	0	0	0	0	0	0	---	---	23
24	---	---	---	0	0	0	0	0	0	0	---	---	24
25	---	---	---	0	0A	0	0	0	0	0	---	---	25
26	---	---	---	0	0	0	0	0	0	0A	---	---	26
27	---	---	---	0	0	0	0	0	0	0E	---	---	27
28	---	---	---	0	0	0	0	0	0	0E	---	---	28
29	---		---	0	0	0	0	0	0	0E	---	---	29
30	---		---	0	0	0	0	0	0	0E	---	---	30
31	---		---		0		0	0		0E		---	31
TOTAL	---	---	---	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0E ON APR 1
MINIMUM DAILY, 0E ON APR 1
MAXIMUM INSTANTANEOUS,
0.001 AT 19:00 MST ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 20 N
LONG 111 30 20 W
DRAINAGE AREA, 1.61 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0	0	0	0	0E	0A	---	1
2	---	---	---	---	0	0	0	0	0	0E	---	---	2
3	---	---	---	---	0	0	0	0	0	0E	---	---	3
4	---	---	---	---	0	0	0	0	0	0E	---	---	4
5	---	---	---	---	0	0	0	0	0	0E	---	---	5
6	---	---	---	---	0	0	0	0	0	0E	---	---	6
7	---	---	---	---	0	0	0	0	0	0E	---	---	7
8	---	---	---	---	0	0	0	0	0	0E	---	---	8
9	---	---	---	---	0	0	0	0	0	0E	---	---	9
10	---	---	---	---	0	0	0	0	0A	0E	---	---	10
11	---	---	---	---	0	0	0	0	0E	0E	---	---	11
12	---	---	---	---	0	0	0	0	0E	0E	---	---	12
13	---	---	---	---	0	0	0	0	0E	0E	---	---	13
14	---	---	---	---	0	0	0	0	0E	0E	---	---	14
15	---	---	---	---	0	0	0	0	0E	0E	---	---	15
16	---	---	---	---	0	0	0	0	0	0E	---	---	16
17	---	---	---	---	0	0	0	0	0	0E	---	---	17
18	---	---	---	---	0	0	0	0	0	0E	---	---	18
19	---	---	---	---	0	0	0	0	0	0E	---	---	19
20	---	---	---	0A	0	0	0	0	0	0E	---	---	20
21	---	---	---	0	0	0	0	0	0	0E	---	---	21
22	---	---	---	0	0	0	0	0	0	0E	---	---	22
23	---	---	---	0	0	0	0	0	0	0E	---	---	23
24	---	---	---	0	0	0	0	0	0	0E	---	---	24
25	---	---	---	0	0	0	0	0	0	0E	---	---	25
26	---	---	---	0	0	0	0	0	0	0E	---	---	26
27	---	---	---	0	0	0	0	0	0	0E	---	---	27
28	---	---	---	0	0	0	0	0	0	0E	---	---	28
29	---		---	0	0	0	0	0	0E	0E	---	---	29
30	---		---	0	0	0	0	0	0E	0E	---	---	30
31	---		---		0		0	0		0E		---	31
TOTAL	---	---	---	---	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	---	0	0	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAY 1
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 22 40 N
LONG 112 14 40 W
DRAINAGE AREA, 1.09 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	---	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.044	1.20	4.00	4.35	3.50	2.79	0.458	---	1
2	---	---	---	---	0.043	1.35	4.74	4.99	3.50	2.76	0.347	---	2
3	---	---	---	---	0.038	1.57	4.61	4.75	3.44	2.64	0.043E	---	3
4	---	---	---	---	0.037	1.89	4.41	4.24	3.57	2.59	0.017E	---	4
5	---	---	---	---	0.275	1.95	4.91	4.47	3.60	2.53	0.016A	---	5
6	---	---	---	---	1.71	2.38	4.83	4.49	3.58	2.74	---	---	6
7	---	---	---	---	1.72	2.48	3.86	4.38	3.44	2.78	---	---	7
8	---	---	---	---	1.72	2.15	3.38	4.21	3.31	2.81	---	---	8
9	---	---	---	---	1.73	2.15	3.11	4.53	3.12	1.49	---	---	9
10	---	---	---	---	1.72	3.15	3.37	4.79	3.22	1.27	---	---	10
11	---	---	---	---	1.73	2.13	3.52	5.03	3.24	1.29	---	---	11
12	---	---	---	---	1.36	1.75	3.37	4.53	3.15	1.64	---	---	12
13	---	---	---	---	1.56	1.77	3.62	4.06	3.12	2.74	---	---	13
14	---	---	---	---	1.67	2.01	4.09	4.04	3.08	2.76	---	---	14
15	---	---	---	---	0.362	1.87	3.40	4.34	2.95	2.91	---	---	15
16	---	---	---	---	0.289	2.68	3.47	4.41	2.80	2.90	---	---	16
17	---	---	---	---	0.657	2.45	3.74	3.72	2.75A	2.75	---	---	17
18	---	---	---	---	1.71	2.04	3.83	3.63	2.90E	2.71	---	---	18
19	---	---	---	---	1.44	2.00	3.61	3.51	3.10E	2.49	---	---	19
20	---	---	---	---	0.465	2.13	3.08	3.62	3.30E	2.52	---	---	20
21	---	---	---	0.024A	1.42	1.97	2.99	3.85	3.27E	2.58	---	---	21
22	---	---	---	0.024E	1.01	2.14	2.94	4.35	3.24E	2.47	---	---	22
23	---	---	---	0.109	0.875	2.15	3.46	4.44	3.22E	0.855	---	---	23
24	---	---	---	0.062	0.872	2.33	3.80	4.26	3.21A	0.449	---	---	24
25	---	---	---	0.058	1.11	2.06	3.67	3.99	3.34	0.714	---	---	25
26	---	---	---	0.054	1.51	2.07	4.49	3.93	3.69	1.77	---	---	26
27	---	---	---	0.053	2.02	2.09	4.80	3.97	4.38	1.75	---	---	27
28	---	---	---	0.050	1.54	3.44	4.85	3.74	4.01	1.72	---	---	28
29	---		---	0.051	0.935	3.50	4.32	3.61	3.25	1.71	---	---	29
30	---		---	0.046	1.07	4.36	4.21	3.62	2.89	0.553	---	---	30
31	---		---		1.22		4.34	3.49		0.299		---	31
TOTAL	---	---	---	---	33.862	69.61	120.42	129.34	99.17	63.979	---	---	TOTAL
MEAN	---	---	---	---	1.09	2.32	3.88	4.17	3.31	2.06	---	---	MEAN
MAX	---	---	---	---	2.02	4.36	4.91	5.03	4.38	2.91	---	---	MAX
MIN	---	---	---	---	0.037	1.20	2.94	3.49	2.75	0.299	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.81
MAXIMUM DAILY, 5.03 ON AUG 11
MINIMUM DAILY, 0.037 ON MAY 4

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 00 N
LONG 112 06 15 W
DRAINAGE AREA, 313 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 400
FEB	---	AUG	11 200
MAR	---	SEP	8 570
APR	---	OCT	5 530
MAY	2 930	NOV	---
JUN	6 010	DEC	---

TOTAL DISCHARGE, 44 600 dam³

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.790B	1.88B	1.29 B	0.810B	4.90B	5.22	11.1	9.01	4.18	6.91	5.03	1.58B	1
2	0.790B	1.82B	1.28 B	0.700B	9.21	4.86	10.6	8.79	3.96	6.62	3.15B	1.55B	2
3	0.789B	1.74B	1.28 B	0.710B	9.39	4.48	11.5	8.78	3.81	8.27	2.55B	1.50B	3
4	0.789B	1.68B	1.29 B	0.730B	8.38	4.80	33.9	8.62	4.31	10.5	2.85B	1.48B	4
5	0.790B	1.60B	1.30 B	0.750B	7.14	7.89	132	8.08	5.54	9.90	2.95B	1.46B	5
6	0.791B	1.58B	1.34 B	0.790B	5.97	13.5	97.4	7.53	6.72	8.58	2.80B	1.46B	6
7	0.800B	1.56B	1.42 B	0.820B	5.65	13.5	56.2	7.15	5.67	7.43	2.48B	1.47B	7
8	0.820B	1.58B	1.50 B	0.890B	6.53	12.3	43.0 E	6.54	5.17	6.10	2.26B	1.48B	8
9	0.870B	1.59B	1.48 B	0.910B	6.91	12.1	34.5 E	6.48	4.72	4.69	2.09B	1.50B	9
10	0.930B	1.62B	1.40 B	0.980B	6.20	11.8	28.3 E	5.70	4.56	5.60E	2.08B	1.52B	10
11	0.950B	1.68B	1.34 B	1.03 B	5.72	10.7	21.9 E	5.90	4.18	6.50E	2.11B	1.58B	11
12	0.990B	1.75B	1.28 B	1.12 B	5.93	9.06	18.2 E	6.31	4.10	7.00E	2.15B	1.66B	12
13	1.05 B	1.82B	1.25 B	1.21 B	6.50	7.77	15.0 E	6.17	4.13	6.70E	2.20B	1.68B	13
14	1.00 B	1.89B	1.26 B	1.20 B	6.75	7.08	32.8 E	7.48	4.22	6.50E	2.26B	1.65B	14
15	0.970B	1.96B	1.27 B	1.14 B	6.60	7.41	33.6	13.9	4.29	6.15E	2.30B	1.62B	15
16	0.950B	2.00B	1.23 B	1.11 B	7.55	7.35	36.6	11.7	4.28	5.85E	2.31B	1.60B	16
17	0.910B	1.92B	1.13 B	1.10 B	8.48	6.81	27.5	8.93	4.21	5.60E	2.27B	1.56B	17
18	0.880B	1.78B	1.06 B	1.09 B	7.78	5.79	21.7	7.31	4.03	5.30E	2.21B	1.50B	18
19	0.840B	1.68B	1.04 B	1.15 B	10.9	5.22	19.1	6.32	3.79	5.10E	2.16B	1.47B	19
20	0.800B	1.57B	1.05 B	1.34 B	10.8	4.99	18.1	5.64	3.75	4.85E	2.11B	1.41B	20
21	0.790B	1.50B	1.06 B	1.63 B	8.48	4.86	17.6	5.40	3.71	4.65E	2.08B	1.39B	21
22	0.795B	1.41B	1.04 B	2.01 B	7.14	4.77	17.0	5.74	3.54	4.70E	2.03B	1.38B	22
23	0.800B	1.36B	1.00 B	2.24 B	6.57	4.75	15.5	5.52	3.50	4.75E	2.00B	1.36B	23
24	0.890B	1.32B	0.995B	2.47 B	7.66	5.18	13.4	5.28	3.53	4.80E	1.96B	1.35B	24
25	1.05 B	1.30B	1.00 B	2.33 B	6.60	6.88	12.8	5.00	3.57	4.45E	1.93B	1.35B	25
26	1.19 B	1.31B	1.40 B	2.19 B	6.45	7.30	13.8	5.17	4.06	4.31A	1.82B	1.34B	26
27	1.13 B	1.35B	1.12 B	2.07 B	7.07	6.35	11.9	5.78	6.16	4.12	1.78B	1.33B	27
28	1.15 B	1.36B	1.11 B	2.40 B	9.21	7.25	10.4	5.43	6.95	3.98	1.73B	1.32B	28
29	1.23 B		1.05 B	3.20 B	8.33	12.0	10.2	4.62	7.19	4.26	1.68B	1.32B	29
30	1.42 B		0.985B	3.80 B	6.98	10.5	10.6	4.39	7.92	4.19	1.62B	1.33B	30
31	1.65 B		0.901B		6.02		9.64	4.30		3.85		1.35B	31
TOTAL	29.584	45.61	36.851	43.920	227.80	232.47	845.84	212.97	139.75	182.21	68.95	45.55	TOTAL
MEAN	0.954	1.63	1.19	1.46	7.35	7.75	27.3	6.87	4.66	5.88	2.30	1.47	MEAN
MAX	1.65	2.00	1.50	3.80	10.9	13.5	132	13.9	7.92	10.5	5.03	1.68	MAX
MIN	0.789	1.30	0.901	0.700	4.90	4.48	9.64	4.30	3.50	3.85	1.62	1.32	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.78
MAXIMUM DAILY, 132 ON JUL 5
MINIMUM DAILY, 0.700B ON APR 2
MAXIMUM INSTANTANEOUS,
165 AT 10:00 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 13 N
LONG 115 31 10 W
DRAINAGE AREA, 873 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 560	JUL	73 100
FEB	3 940	AUG	18 400
MAR	3 180	SEP	12 100
APR	3 790	OCT	15 700
MAY	19 700	NOV	5 960
JUN	20 100	DEC	3 940

TOTAL DISCHARGE, 182 000 dam³

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.793	0.934	0.651	0.368	0.340	0.481	---	---	1
2	---	---	---	---	0.934	0.821	0.623	0.368	0.340	0.481	---	---	2
3	---	---	---	---	0.934	0.793	0.538	0.368	0.340	0.453	---	---	3
4	---	---	---	---	0.793	0.765	0.510	0.368	0.368	0.425	---	---	4
5	---	---	---	---	0.708	0.850	0.510	0.368	0.368	0.425	---	---	5
6	---	---	---	---	0.736	0.963	0.510	0.368	0.368	0.396	---	---	6
7	---	---	---	---	0.765	0.934	0.481	0.340	0.340	0.396	---	---	7
8	---	---	---	---	0.765	0.821	0.481	0.368	0.340	0.425	---	---	8
9	---	---	---	---	0.736	0.765	0.481	0.368	0.340	0.396	---	---	9
10	---	---	---	---	0.736	0.736	0.453	0.396	0.340	0.396	---	---	10
11	---	---	---	---	0.680	0.680	0.425	0.396	0.340	0.425	---	---	11
12	---	---	---	---	0.736	0.680	0.425	0.368	0.368	0.425	---	---	12
13	---	---	---	---	0.765	0.651	0.425	0.368	0.425	0.425	---	---	13
14	---	---	---	---	0.765	0.623	0.425	0.368	0.396	0.425	---	---	14
15	---	---	---	---	0.765	0.623	0.425	0.340	0.396	0.425	---	---	15
16	---	---	---	---	0.821	0.623	0.425	0.368	0.368	0.396	---	---	16
17	---	---	---	---	0.850	0.736	0.425	0.368	0.368	0.425	---	---	17
18	---	---	---	---	0.850	0.623	0.396	0.340	0.368	0.425	---	---	18
19	---	---	---	---	1.08	0.595	0.396	0.340	0.368	0.425	---	---	19
20	---	---	---	0.991	0.878	0.623	0.396	0.340	0.368	0.425	---	---	20
21	---	---	---	1.78	0.821	0.595	0.396	0.368	0.368	0.425	---	---	21
22	---	---	---	7.90	0.765	0.566	0.368	0.340	0.368	0.396	---	---	22
23	---	---	---	7.76	0.736	0.595	0.368	0.368	0.368	0.396	---	---	23
24	---	---	---	2.66	0.736	0.566	0.368	0.368	0.368	0.396	---	---	24
25	---	---	---	0.934	0.736	0.510	0.368	0.368	0.368	0.396	---	---	25
26	---	---	---	0.934	0.793	0.538	0.368	0.368	0.368	0.396	---	---	26
27	---	---	---	0.934	0.991	0.510	0.368	0.368	0.481	0.396	---	---	27
28	---	---	---	0.934	1.07	0.510	0.368	0.368	0.510	0.396	---	---	28
29	---		---	0.878	1.59	0.595	0.368	0.340	0.510	0.396	---	---	29
30	---		---	0.765	1.25	0.934	0.368	0.368	0.481	0.396	---	---	30
31	---		---		1.08		0.368	0.368		0.396B		---	31
TOTAL	---	---	---	---	27.458	20.758	13.477	11.296	11.439	12.880	---	---	TOTAL
MEAN	---	---	---	---	0.886	0.692	0.435	0.364	0.381	0.415	---	---	MEAN
MAX	---	---	---	---	1.87	0.963	0.651	0.396	0.510	0.481	---	---	MAX
MIN	---	---	---	---	0.680	0.510	0.368	0.340	0.340	0.396	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.90 ON APR 22

MAXIMUM INSTANTANEOUS,
20.3 AT 01:30 MDT ON APR 23

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 30 N
LONG 113 03 15 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 160
FEB	---	AUG	976
MAR	---	SEP	988
APR	---	OCT	1 110
MAY	2 370	NOV	---
JUN	1 790	DEC	---

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.320B	0.820B	1.22	13.2	18.0	1.29	0.312	0.504	0.635B	---	1
2	---	---	0.380B	0.800B	2.15	12.9	17.8	0.937	0.311	0.536	0.561B	---	2
3	---	---	0.431B	0.750B	4.33	12.7	17.4	0.717	0.306	0.495	---	---	3
4	---	---	0.500B	0.700B	3.92	12.5	17.3	0.676	0.316	0.461	---	---	4
5	---	---	0.590B	0.660B	5.47	12.8	17.1	0.662	0.304	0.485	---	---	5
6	---	---	0.660B	0.660B	9.19	13.2	17.0	0.641	0.332	0.422	---	---	6
7	---	---	0.770B	0.685B	12.9	13.4	17.5	0.485	0.336	0.412	---	---	7
8	---	---	0.900B	0.720B	14.8	13.2	18.4	0.398	0.307	0.402	---	---	8
9	---	---	1.05 B	0.700B	15.1	12.9	18.6	0.403	0.301	0.401	---	---	9
10	---	---	1.20 B	0.700B	15.3	12.9	18.3	0.449	0.309	0.399	---	---	10
11	---	---	1.30 B	3.45 B	15.2	12.7	18.2	0.443	0.310	0.408	---	---	11
12	---	---	1.36 B	6.80 B	15.3	12.6	18.2	0.357	[illegible]	0.401	---	---	12
13	---	---	1.30 B	6.27 B	16.3	12.7	18.1	0.353	0.443	0.405	---	---	13
14	---	---	1.22 B	5.66 B	17.4	12.7	18.0	0.357	0.407	0.410	---	---	14
15	---	---	1.12 B	5.08 B	17.6	12.8	18.2	0.389	0.389	0.400	---	---	15
16	---	---	1.00 B	3.65 B	17.8	12.8	18.6	0.347	0.396	0.399	---	---	16
17	---	---	0.916B	2.45 B	18.0	13.1	18.7	0.343	0.391	0.413	---	---	17
18	---	---	0.840B	1.32 B	18.1	13.4	18.6	0.335	0.358	0.431	---	---	18
19	---	---	0.760B	1.26 B	18.1	15.7	18.5	0.331	0.356	0.430	---	---	19
20	---	---	0.700B	1.30 B	18.9	17.2	18.3	0.325	0.355	0.431	---	---	20
21	---	---	0.668B	1.83 B	19.0	18.5	18.3	0.327	0.363	0.435	---	---	21
22	---	---	0.630B	7.70 B	19.2	19.7	18.3	0.323	0.353	0.414	---	---	22
23	---	---	0.657B	9.61	19.2	20.1	18.3	0.370	0.352	0.407	---	---	23
24	---	---	0.720B	5.06	19.2	20.1	18.5	0.365	0.357	0.413	---	---	24
25	---	---	0.730B	1.72	19.5	19.8	18.4	0.342	0.350	0.415	---	---	25
26	---	---	0.700B	1.61	19.8	19.7	18.2	0.343	0.359	0.411	---	---	26
27	---	---	0.700B	1.65	20.4	19.6	15.2	0.378	0.525	0.398	---	---	27
28	---	---	0.730B	1.56	20.3	19.2	10.5	0.337	0.610	0.405	---	---	28
29	---		0.800B	1.42	16.0	19.8	7.11	0.326	0.614	0.399	---	---	29
30	---		0.931B	1.22	14.3	20.3	4.40	0.365	0.553	0.399B	---	---	30
31	---		0.860B		13.5		3.26	0.338		0.415B		---	31
TOTAL	---	---	25.435	77.815	458.48	462.6	510.27	14.003	11.397	13.116	---	---	TOTAL
MEAN	---	---	0.820	2.59	14.8	15.4	16.5	0.452	0.380	0.423	---	---	MEAN
MAX	---	---	1.36	9.61	20.4	20.3	18.7	1.29	0.614	0.536	---	---	MAX
MIN	---	---	0.320	0.660	1.22	12.5	2.26	0.323	0.301	0.398	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.42
MAXIMUM DAILY, 20.4 ON MAY 27
MINIMUM DAILY, 0.301 ON SEP 9
MAXIMUM INSTANTANEOUS,
22.2 AT 07:40 MST ON MAY 28

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 19 N
LONG 112 58 18 W
DRAINAGE AREA, 230 km²

B - ICE CONDITIONS

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	44 180
FEB	---	AUG	1 210
MAR	1 200	SEP	985
APR	6 720	OCT	1 130
MAY	39 680	NOV	---
JUN	40 000	DEC	---

TOTAL DISCHARGE, 136 909 dam³

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.300E	4.65	6.76	2.78	1.70	1.44	---	---	1
2	---	---	---	---	0.323E	4.40	6.54	2.64	1.62	1.49	---	---	2
3	---	---	---	---	0.345E	3.99	7.37	2.55	1.57	1.63	---	---	3
4	---	---	---	---	0.368E	3.82	14.4	2.40	1.74	1.66	---	---	4
5	---	---	---	---	0.390A	8.45	30.0	2.31	1.74	1.68	---	---	5
6	---	---	---	---	0.372	6.49	31.5	2.15	1.69	1.68	---	---	6
7	---	---	---	---	0.395	4.94	28.0	2.10	1.53	1.66	---	---	7
8	---	---	---	---	0.359	5.23	22.5	2.02	1.50	1.61	---	---	8
9	---	---	---	---	0.351	6.83	17.6	1.96	1.47	1.57	---	---	9
10	---	---	---	---	0.378	6.29	14.1	1.90	1.51	1.55	---	---	10
11	---	---	---	---	0.473	6.26	11.5	1.87	1.49	1.54	---	---	11
12	---	---	---	---	0.658	6.07	9.73	1.83	1.50	1.54	---	---	12
13	---	---	---	---	0.685	5.83	8.75	1.78	1.48	1.50	---	---	13
14	---	---	---	---	0.725	5.72	8.04	2.29	1.44	1.48	---	---	14
15	---	---	---	---	0.770	5.55	7.26	2.26	1.44	1.49	---	---	15
16	---	---	---	---	0.883	5.16	6.46	1.96	1.47	1.49	---	---	16
17	---	---	---	---	0.958	4.49	5.84	1.86	1.37	1.55	---	---	17
18	---	---	---	---	0.993	4.07	5.36	1.75	1.34	1.50	---	---	18
19	---	---	---	---	0.869	3.95	5.01	1.71	1.32	1.34	---	---	19
20	---	---	---	---	0.937	3.84	5.17	1.65	1.30	1.31	---	---	20
21	---	---	---	---	1.09	3.61	5.13	1.62	1.27	1.32	---	---	21
22	---	---	---	---	1.19	3.76	4.68	1.62	1.25	1.31	---	---	22
23	---	---	---	---	1.31	4.31	4.21	1.62	1.23	1.34	---	---	23
24	---	---	---	---	1.40	4.44	3.98	1.59	1.22	1.31	---	---	24
25	---	---	---	---	1.54	4.53	3.92	1.62	1.21	1.30A	---	---	25
26	---	---	---	---	1.33	4.36	3.76	2.17	1.39	1.28E	---	---	26
27	---	---	---	---	1.47	5.04	3.46	1.89	1.48	1.25E	---	---	27
28	---	---	---	---	1.60	8.56	3.33	1.92	1.44	1.23E	---	---	28
29	---		---	---	1.74	8.12	3.21	1.86	1.50	1.20E	---	---	29
30	---		---	---	2.17	7.35	3.02	1.78	1.43	1.18E	---	---	30
31	---		---		3.31		2.92	1.75		1.15E		---	31
TOTAL	---	---	---	---	29.682	159.51	293.43	61.21	43.45	44.56	---	---	TOTAL
MEAN	---	---	---	---	0.957	5.32	9.47	1.97	1.45	1.44	---	---	MEAN
MAX	---	---	---	---	3.31	8.56	31.5	2.78	1.74	1.68	---	---	MAX
MIN	---	---	---	---	0.300	3.61	2.92	1.59	1.21	1.15	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.43
MAXIMUM DAILY, 31.5 ON JUL 6
MINIMUM DAILY, 0.300E ON MAY 1
MAXIMUM INSTANTANEOUS,
33.4 AT 20:22 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 55 N
LONG 115 59 30 W
DRAINAGE AREA, 350 km²
A - ESTIMATED

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 980
FEB	---	AUG	5 290
MAR	---	SEP	3 750
APR	---	OCT	3 850
MAY	2 560	NOV	---
JUN	13 080	DEC	---

TOTAL DISCHARGE, 54 700 dam³

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.5B	164 B	70.7B	94.9B	342	201	401	291	160	190	115	118B	1
2	85.3B	167 B	68.0B	94.0B	339	194	441	248 E	158	216	108	110B	2
3	72.6B	168 B	101 B	80.0B	309	171	446	237 E	174	197	140	107B	3
4	92.3B	158 B	131 B	96.0B	365	193	668	182 E	178	206	135	118B	4
5	84.0B	198 B	138 B	97.0B	318	193	1 410	224 E	170	213	131	122B	5
6	78.4B	222 B	113 B	92.0B	297	222	1 920	162 E	166	243	129	114B	6
7	57.0B	227 B	119 B	86.0B	236	233	1 810	149 E	188	250	136	120B	7
8	63.6B	174 B	125 B	111 B	218	275	1 520	162 E	201	210	130	124B	8
9	75.4B	174 B	144 B	116 B	186	296	1 490	139 E	212	196E	113	106B	9
10	97.3B	186 B	161 B	139 B	196	282	1 250	83.0E	211	155E	115	109B	10
11	125 B	139 B	154 B	159 B	193	269	1 190	165	182	193E	110 B	113B	11
12	121 B	144 B	160 B	108 B	178	291	824	180	173	200E	105 B	105B	12
13	97.1B	148 B	169 B	111 B	185	295	726	177	233	153E	101 B	120B	13
14	87.3B	135 B	169 B	108 B	178	298	633	167	241	181E	96.0B	124B	14
15	90.0B	112 B	154 B	114 B	176	313	609	177	206	178	92.0B	123B	15
16	82.5B	94.7B	119 B	127 B	187	301	794	194	176	172	88.0B	128B	16
17	93.8B	95.7B	106 B	115 B	199	290	708	202	192	182	84.0B	136B	17
18	98.3B	91.0B	128 B	123 B	199	305	532	191	209	159	79.0B	129B	18
19	90.2B	82.6B	144 B	165 B	190	298	510	156	181	181	74.0B	133B	19
20	83.0B	86.9B	135 B	253 B	192	264	486	131	165	173	70.0B	135B	20
21	91.3B	95.4B	146 B	362 B	195	277	416	134	153	172	66.0B	141B	21
22	87.2B	84.4B	142 B	477 B	202	310	459	133	163	168	58.0B	136B	22
23	93.9B	79.5B	126 B	656	204	293	565	125	167	215	73.0B	135B	23
24	102 B	88.5B	117 B	627	178	280	588	118	167	170	78.6B	133B	24
25	144 B	87.2B	131 B	609	146	360	531	135	133	165	109 B	133B	25
26	108 B	57.9B	140 B	516	137	328	401	151	131	152	109 B	138B	26
27	103 B	63.9B	122 B	430	174	344	393	139	132	139	110 B	170B	27
28	112 B	84.0B	115 B	365	174	348	406	147	165	150	116 B	168B	28
29	201 B		100 B	423	194	343	336	166	157	148	122 B	179B	29
30	165 B		130 B	367	211	394	322	181	171	184	121 B	152B	30
31	207 B		127 B		195		316	158		147		125B	31
TOTAL	3 202.6	3 574.7	3 982.7	7 200.9	6 693	8 461	23 011	5 204.0	5 295	5 656	3 105.6	4 004	TOTAL
MEAN	103	128	128	240	216	282	742	168	177	182	104	129	MEAN
MAX	207	227	169	656	365	394	1 920	291	241	250	140	179	MAX
MIN	57.0	57.9	68.0	80.0	137	171	316	83.0	131	139	50.0	105	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 218
MAXIMUM DAILY, 1 920 ON JUL 6
MINIMUM DAILY, 50.0B ON NOV 22
MAXIMUM INSTANTANEOUS,
2 030 AT 10:20 MST ON JUL 6

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 20 N
LONG 113 29 10 W
DRAINAGE AREA, 28 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	277 000	JUL	1 990 000
FEB	309 000	AUG	450 000
MAR	344 000	SEP	457 000
APR	622 000	OCT	489 000
MAY	578 000	NOV	268 000
JUN	731 000	DEC	346 000

TOTAL DISCHARGE, 6 860 000 dam³

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.40B	5.00B	4.65B	4.70B	6.95E	51.7	221	195 E	106	38.7	15.5	9.90B	1
2	5.20B	5.00B	4.50B	4.90B	6.90E	66.0	215	168 E	119	39.5	15.9 B	10.0 B	2
3	5.15B	5.10B	4.45B	5.10B	6.90E	82.5	209	157 E	139	40.2	16.5 B	10.0 B	3
4	5.10B	5.20B	4.35B	5.50B	6.90E	97.8	213	117 E	164	36.2	14.8	9.80B	4
5	5.05B	5.00B	4.30B	5.95B	6.81A	107	176	120 E	180	32.7	13.7	9.55B	5
6	5.05B	5.00B	4.25B	5.95B	8.08	97.3	158	124 E	184	30.6	12.7 B	9.40B	6
7	5.05B	5.00B	4.25B	5.95B	9.34	75.1	166	134 E	137	29.4	12.5 B	9.40B	7
8	5.05B	5.30B	4.22B	5.95B	8.86	58.8A	155A	125 E	168	27.6	11.1 B	9.00B	8
9	5.00B	5.10B	4.30B	5.80B	7.94	64.9E	162A	114 E	204	25.7	10.9 B	8.60B	9
10	4.95B	5.05B	4.35B	5.65B	7.74	70.9A	153E	100 E	201	24.8	10.8 B	8.10B	10
11	4.85B	5.00B	4.40B	5.55B	9.58	90.4	147E	104 E	138	24.3	10.7 B	8.00B	11
12	4.80B	4.95B	4.40B	5.50B	11.9	127	143E	94.0E	104	24.1	10.6 B	8.00B	12
13	4.70B	4.95B	4.40B	5.45B	12.4	162	140E	89.0E	83.6	23.8	10.5 B	7.95B	13
14	4.65B	4.90B	4.35B	5.40B	14.4	196	145E	95.0E	73.0	26.0	10.4 B	7.94B	14
15	4.60B	4.90B	4.30B	5.40B	17.1	216	154E	105 E	67.4	31.1	10.3 B	7.70B	15
16	4.60B	4.90B	4.30B	5.60B	17.8	215	163E	94.0E	62.2	35.5	10.2 B	7.40B	16
17	4.70B	4.90B	4.30B	5.80B	20.5	210	170E	106 A	59.6	38.7	10.1 B	7.00B	17
18	4.80B	4.87B	4.30B	6.05B	25.0	203	153E	99.6	61.5	32.6	10.0 B	6.80B	18
19	4.80B	4.80B	4.30B	6.20B	28.8	213	143E	93.2	65.3	28.6	9.80B	6.72B	19
20	5.00B	4.95B	4.30B	6.25B	29.2	228	162E	99.2	63.6	24.9	9.55B	6.60B	20
21	5.10B	4.95B	4.30B	6.35B	31.7	245	225E	105	63.0	23.5	9.45B	6.55B	21
22	5.30B	4.95B	4.30B	6.40B	39.0	258	304E	113	65.9	22.7	9.35B	6.50B	22
23	5.35B	4.95B	4.30B	6.40B	43.6	237	263E	104	65.8	23.4	9.30B	6.55B	23
24	5.40B	4.90B	4.35B	6.40B	42.1	219	220E	97.2	64.1	22.2	9.30B	6.60B	24
25	5.35B	4.75B	4.40B	6.40B	35.5	235	194E	101	64.2	21.1	9.35B	6.65B	25
26	5.30B	4.60B	4.40B	6.50B	36.6	230	158E	113	70.1	19.8	9.45B	6.65B	26
27	5.25B	4.55B	4.45B	6.60B	46.6	232	162A	112	65.5	19.1	9.55B	6.65B	27
28	5.15B	4.60B	4.50B	6.85B	38.1	230	174	136	57.5	18.1	9.60B	6.65B	28
29	5.10B		4.52B	6.95B	33.3	216	190	128	48.6	16.4	9.65B	6.65B	29
30	5.05B		4.55B	6.95B	32.3	213	200E	111	41.7	14.7	9.85B	6.60B	30
31	5.00B		4.60B		30.6		220E	105		16.2		6.50B	31
TOTAL	156.03	139.42	135.84	178.43	721.10	4 946.9	5 652	3 522.3	2 946.3	832.2	331.38	248.41	TOTAL
MEAN	5.03	4.98	4.38	5.95	23.3	165	182	114	98.2	26.8	11.0	7.76	MEAN
MAX	5.40	5.40	4.65	6.95	56.6	258	304	195	204	40.2	16.5	10.0	MAX
MIN	4.60	4.55	4.22	4.70	6.81	51.7	140	89.0	41.7	14.7	9.30	6.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 54.3
MAXIMUM DAILY, 304E ON JUL 22
MINIMUM DAILY, 4.22D ON MAR 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 10 N
LONG 116 26 20 W
DRAINAGE AREA, 1 930 km²

A - NORMAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 500	JUL	440 000
FEB	12 000	AUG	300 000
MAR	11 700	SEP	225 000
APR	15 000	OCT	71 000
MAY	62 300	NOV	30 000
JUN	427 000	DEC	30 000

TOTAL DISCHARGE, 1 710 000 dam³

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	79.0	52.9	75.6	79.8	83.1	78.7	162	42.6	33.8	66.5	68.8	68.3	1
2	78.7	53.0	83.6	71.8	79.2	34.3	164	56.8	41.3	67.4	67.5	69.9	2
3	84.5	53.9	75.3	77.7	109	91.4	164	52.8	28.6	68.1	67.4	69.4	3
4	91.4	53.7	81.1	78.7	83.9	58.9	159	47.9	19.2	66.0	67.4	69.9	4
5	80.8	53.7	76.1	88.5	80.9	65.2	165	57.9	38.7	66.4	67.2	69.7	5
6	99.4	52.9	81.0	93.6	78.8	65.7	165	58.2	58.7	66.6	63.1	69.6	6
7	97.9	54.1	79.3	92.4	73.7	69.8	165	60.7	63.8	66.9	45.1	69.7	7
8	92.8	54.3	73.8	108	83.6	54.6	165	47.8	65.7	66.9	57.2	69.2	8
9	82.1	54.4	80.6	75.1	71.0	58.9	165	53.1	62.6	67.1	66.9	69.1	9
10	48.9	54.3	86.8	97.6	80.7	54.7	159	43.4	89.0	64.0	66.8	16.8	10
11	49.0	55.8	83.8	75.0	74.7	72.7	155	42.0	139	68.4	67.0	53.6	11
12	48.9	60.1	79.3	107	57.0	61.1	138	44.7	122	67.7	68.3	69.8	12
13	47.6	58.2	69.1	79.2	69.6	70.3	120	46.0	79.8	67.5	69.6	68.6	13
14	48.2	56.3	80.7	79.8	83.4	59.2	162	32.2	87.8	67.4	63.2	67.7	14
15	47.7	56.6	85.9	77.2	83.2	56.8	115	23.4	110	67.3	68.9	66.7	15
16	47.8	59.1	84.1	73.6	48.7	75.5	98.3	29.5	105	67.0	68.6	73.0	16
17	50.6	59.3	82.2	89.2	47.3	75.9	86.5	14.3	109	67.3	68.5	82.1	17
18	48.6	57.2	79.4	77.1	45.0	78.9	91.8	37.5	93.8	67.1	68.5	74.3	18
19	46.0	59.5	74.2	92.0	43.7	103	83.8	32.9	72.9	66.7	68.3	78.5	19
20	48.3	56.8	78.1	80.4	62.3	98.1	68.2	29.6	109	66.9	68.1	75.9	20
21	49.8	17.2	85.8	87.0	52.7	99.8	69.9	34.7	56.4	67.1	68.0	74.2	21
22	50.4	57.2	82.2	76.1	42.4	118	72.2	39.0	32.6	67.3	67.8	88.1	22
23	21.2	61.1	79.0	75.0	42.7	135	71.6	52.8	64.9	67.2	67.5	102	23
24	37.3	64.6	75.5	73.7	51.2	141	72.6	35.4	65.6	54.6	67.5	104	24
25	52.0	75.0	81.1	72.1	48.5	164	71.3	29.3	66.0	67.2	67.5	105	25
26	54.6	86.6	75.8	76.6	47.8	165	56.2	38.3	60.1	67.4	65.4	81.8	26
27	52.8	80.1	79.4	64.9	72.1	157	55.8	54.7	66.1	67.3	65.8	71.8	27
28	54.2	75.4	87.4	86.3	62.1	165	55.5	42.7	66.3	67.2	68.6	71.9	28
29	53.3		69.9	80.9	71.8	165	58.2	41.7	66.2	67.0	66.1	71.7	29
30	53.6		82.1	79.2	61.9	163	57.1	48.3	66.5	66.9	66.1	27.0	30
31	46.6		86.0		40.2		55.3	33.4		67.6		48.7	31
TOTAL	1 844.0	1 633.3	2 484.2	2 457.5	2 034.2	2 847.1	3 447.3	1 283.6	2 139.6	2 038.0	1 977.9	2 208.0	TOTAL
MEAN	59.5	58.3	80.1	81.9	65.6	94.9	111	41.4	71.3	65.7	65.9	71.2	MEAN
MAX	99.4	86.6	90.6	108	109	165	165	58.2	139	68.4	69.6	105	MAX
MIN	21.2	17.2	69.1	64.9	40.2	34.3	55.3	14.3	19.2	47.4	45.1	16.8	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.3
MAXIMUM DAILY, 165 ON JUN 26
MINIMUM DAILY, 14.3 ON AUG 17
MAXIMUM INSTANTANEOUS, 167 AT 12:45 MST ON JUL 17

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 36 N
LONG 116 19 21 W
DRAINAGE AREA, 3 890 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	159 000	JUL	298 000
FEB	141 000	AUG	111 000
MAR	215 000	SEP	185 000
APR	212 000	OCT	176 000
MAY	176 000	NOV	171 000
JUN	246 000	DEC	191 000

TOTAL DISCHARGE, 2 288 000 dam³

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.317	2.708	3.469	2.847	2.465	2.709	3.439	---	1
2	---	---	---	---	5.230	2.606	3.464	2.814	2.584	2.664	---	---	2
3	---	---	---	---	3.192	2.642	3.597	2.846	2.498	2.702	---	---	3
4	---	---	---	---	2.876	2.767	3.943	2.704	2.405	2.727	---	---	4
5	---	---	---	---	2.794	2.735	4.874	2.710	2.553	2.912	---	---	5
6	---	---	---	---	2.682	2.923	5.164	2.592	2.582	2.788	---	---	6
7	---	---	---	---	2.626	3.038	4.977	2.612	2.670	2.745	---	---	7
8	---	---	---	---	2.551	3.078	5.064	2.359	2.695	2.617	---	---	8
9	---	---	---	---	2.625	3.015	4.765	2.493	2.680	2.706	---	---	9
10	---	---	---	---	2.668	2.978	4.539	2.576	2.592	2.707	---	---	10
11	---	---	---	---	2.582	3.098	4.031	2.653	2.637	2.682	---	---	11
12	---	---	---	---	2.626	3.103	3.827	2.500	2.880	2.628	---	---	12
13	---	---	---	---	2.564	3.090	3.623	2.528	2.777	2.608	---	---	13
14	---	---	---	---	2.652	3.126	3.470	2.631	2.582	2.612	---	---	14
15	---	---	---	---	2.656	3.098	3.845	2.650	2.581	2.613	---	---	15
16	---	---	---	---	2.648	3.096	3.759	2.690	2.735	2.563	---	---	16
17	---	---	---	---	2.635	3.151	3.353	2.531	2.615	2.573	---	---	17
18	---	---	---	---	2.631	3.077	3.375	2.433	2.561	2.573	---	---	18
19	---	---	---	---	2.600	3.094	3.330	2.361	2.588	2.595	---	---	19
20	---	---	---	---	2.658	3.074	3.205	2.401	2.575	2.569	---	---	20
21	---	---	---	---	2.685	3.097	3.251	2.309	2.640	2.697	---	---	21
22	---	---	---	---	2.592	3.065	3.568	2.329	2.670	2.607	---	---	22
23	---	---	---	---	2.666	3.032	3.631	2.301	2.668	2.576	---	---	23
24	---	---	---	---	2.398	3.246	3.491	2.396	2.660	2.523	---	---	24
25	---	---	---	---	2.449	3.211	3.230	2.425	2.620	2.653	---	---	25
26	---	---	---	---	2.685	3.318	3.222	2.333	2.632	2.671	---	---	26
27	---	---	---	---	2.598	3.267	3.258	2.471	---	2.693	---	---	27
28	---	---	---	---	2.708	3.309	3.010	2.509	---	2.630	---	---	28
29	---		---	4.395	2.704	3.465	3.018	2.481	---	2.586	---	---	29
30	---		---	5.159	2.646	3.469	3.004	2.514	2.705	2.564	---	---	30
31	---		---		2.649		2.952	2.465		2.345		---	31
MEAN	---	---	---	---	2.816	3.062	3.719	2.531	---	2.618	---	---	MEAN
MAX	---	---	---	---	5.317	3.469	5.164	2.847	---	2.912	---	---	MAX
MIN	---	---	---	---	2.398	2.606	2.952	2.301	---	2.345	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 5.317 ON MAY 1

MAXIMUM INSTANTANEOUS, 5.751 AT 19:25 MST ON MAY 2

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 784.860 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 10 N
LONG 115 12 30 W

REGULATED SINCE 1965

DRAINAGE AREA, 20 500 km²

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	126	125	299	122	84.6	123	105	---	1
2	---	---	---	---	131	153	297	108	79.2	122	102	---	2
3	---	---	---	---	139	133	313	122	83.8	104	98.9	---	3
4	---	---	---	---	161	177	357	118	71.7	116	104	---	4
5	---	---	---	---	122	167	521	106	76.0	121	104	---	5
6	---	---	---	---	125	182	548	107	98.7	118	102	---	6
7	---	---	---	---	118	170	502	105	111	116	89.8	---	7
8	---	---	---	---	118	164	464	85.3	115	114	70.9	---	8
9	---	---	---	---	123	155	395	88.7	114	112	---	---	9
10	---	---	---	---	111	167	343	96.3	110	111	---	---	10
11	---	---	---	---	123	176	303	87.2	162	108	---	---	11
12	---	---	---	---	121	188	279	85.5	192	111	---	---	12
13	---	---	---	---	105	183	245	86.4	158	111	---	---	13
14	---	---	---	---	120	192	258	96.0	132	111	---	---	14
15	---	---	---	---	138	197	288	91.8	141	111	---	---	15
16	---	---	---	---	144	207	235	75.4	153	111	---	---	16
17	---	---	---	---	110	205	212	74.4	152	112	---	---	17
18	---	---	---	---	110	198	193	59.0	156	112	---	---	18
19	---	---	---	---	105	199	187	74.5	137	109	---	---	19
20	---	---	---	---	100	216	178	70.3	115	107	---	---	20
21	---	---	---	---	114	220	191	67.3	154	108	---	---	21
22	---	---	---	---	108	221	216	70.1	92.9	109	---	---	22
23	---	---	---	---	104	253	221	78.5	78.0	109	---	---	23
24	---	---	---	---	96.5	252	191	92.9	102	109	88.4S	---	24
25	---	---	---	---	115	280	178	75.9	104	94.7	---	---	25
26	---	---	---	169	111	283	172	78.8	111	107	---	---	26
27	---	---	---	124	111	287	154	95.5	116	107	---	---	27
28	---	---	---	120	143	302	183	110	123	105	---	---	28
29	---		---	139	137	318	131	103	127	106	---	---	29
30	---		---	128	134	310	127	96.9	126	102	---	---	30
31	---		---		142		125	104		103		---	31
TOTAL	---	---	---	---	3 761.5	6 280	8 258	2 831.9	3 563.9	3 419.7	---	---	TOTAL
MEAN	---	---	---	---	121	209	266	91.4	119	110	---	---	MEAN
MAX	---	---	---	---	161	318	548	122	192	123	---	---	MAX
MIN	---	---	---	---	96.5	125	125	59.0	70.0	94.7	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 548 ON JUL 6

MAXIMUM INSTANTANEOUS,
554 AT 08:36 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 51 N
LONG 114 56 21 W
DRAINAGE AREA, 11 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	713 000
FEB	---	AUG	245 000
MAR	---	SEP	308 000
APR	---	OCT	295 000
MAY	325 000	NOV	---
JUN	543 000	DEC	---

MOSE CREEK AT CALGARY - STATION NO. 05BL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.550B	0.137	0.299	0.590	0.022	0.047	0.070	0.024	---	1
2	---	---	0 B	0.560B	0.131	0.268	0.569	0.043	0.046	0.056	0.020A	---	2
3	---	---	0 B	0.440B	0.138	0.226	0.492	0.034	0.042	0.053	---	---	3
4	---	---	0 B	0.284B	0.131	0.224	0.762	0.032	0.085	0.053	---	---	4
5	---	---	0 B	0.136B	0.113	0.256	0.675	0.040	0.033	0.038	---	---	5
6	---	---	0 B	0.105B	0.121	0.306	0.746	0.036	0.041	0.009	---	---	6
7	---	---	0.002B	0.113B	0.383	0.370	0.711	0.018	0.060	0.016	---	---	7
8	---	---	0.002B	0.091B	0.351	0.383	0.474	0.007	0.049	0.024	---	---	8
9	---	---	0.002B	0.214B	0.306	0.324	0.454	0.008	0.041	0.025	---	---	9
10	---	---	0.006B	1.03 B	0.238	0.281	0.461	0.008	0.066	0.024	---	---	10
11	---	---	0.006B	2.88 B	0.169	0.266	0.395	0.009	0.033	0.024	---	---	11
12	---	---	0.006B	5.57 B	0.165	0.263	0.264	0.010	0.035	0.027	---	---	12
13	---	---	0.010B	4.58	0.136	0.227	0.238	0.010	0.039	0.032	---	---	13
14	---	---	0.010B	4.16	0.132	0.159	0.218	0.011	0.046	0.036	---	---	14
15	---	---	0.010B	2.68	0.149	0.182	0.197	0.011	0.045	0.038	---	---	15
16	---	---	0.014B	1.95	0.310	0.293	0.167	0.012	0.052	0.040	---	---	16
17	---	---	0.006B	1.42	0.313	0.365	0.131	0.010	0.046	0.046	---	---	17
18	---	---	0.015B	1.16	0.273	0.164	0.108	0.015	0.046	0.047	---	---	18
19	---	---	0.009B	0.812	0.232	0.123	0.090	0.016	0.043	0.039	---	---	19
20	---	---	0.007B	0.692	0.229	0.110	0.272	0.016	0.048	0.036	---	---	20
21	---	---	0.213B	0.669	0.180	0.098	0.275	0.024	0.053	0.038	---	---	21
22	---	---	0.474B	0.606	0.155	0.139	0.601	0.024	0.033	0.037	---	---	22
23	---	---	0.560B	0.511	0.163	0.163	0.197	0.057	0.034	0.032	---	---	23
24	---	---	0.527B	0.433	0.132	0.204	0.126	0.056	0.035	0.035	---	---	24
25	---	---	0.469B	0.283	0.131	0.160	0.161	0.072	0.039	0.027	---	---	25
26	---	---	0.534B	0.258	0.222	0.132	0.094	0.095	0.164	0.030	---	---	26
27	---	---	1.09 B	0.230	0.868	0.196	0.073	0.128	0.071	0.029	---	---	27
28	---	---	1.67 B	0.384	1.01	0.327	0.055	0.076	0.106	0.032	---	---	28
29	---		2.06 B	0.189	0.680	0.286	0.042	0.084	0.107	0.033	---	---	29
30	---		1.35 B	0.153	0.539	1.01	0.034	0.172	0.067	0.026	---	---	30
31	---		0.590B		0.394		0.015	0.094		0.025		---	31
TOTAL	---	---	9.680	33.933	8.511	7.614	9.427	1.210	1.650	1.057	---	---	TOTAL
MEAN	---	---	0.312	1.10	0.275	0.254	0.304	0.039	0.055	0.034	---	---	MEAN
MAX	---	---	2.06	5.57	1.01	1.01	0.762	0.172	0.164	0.070	---	---	MAX
MIN	---	---	0	0.091	0.113	0.098	0.015	0.007	0.033	0.009	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.299
MAXIMUM DAILY, 5.57B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.07B AT 06:00 MST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 30 N
LONG 114 02 05 W
DRAINAGE AREA, 994 km²
A - GENERAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	810
FEB	---	AUG	185
MAR	836	SEP	143
APR	2 850	OCT	91.3
MAY	735	NOV	---
JUN	650	DEC	---

TOTAL DISCHARGE, 6 230 dam³

MOSE CREEK NEAR THE MOUTH - STATION NO. 05BM901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.227E	0.506	0.837	0.251	0.195	0.390	---	---	1
2	---	---	---	---	0.227E	0.386	2.17	0.264	0.169	0.328	---	---	2
3	---	---	---	---	0.283E	0.332	1.48	0.256	0.160	0.267	---	---	3
4	---	---	---	---	0.227E	0.311	2.77	0.266	1.76	0.229	---	---	4
5	---	---	---	---	0.227E	0.844	1.50	0.252	0.364	0.200	---	---	5
6	---	---	---	---	0.218A	1.18	1.89	0.212	0.198	0.181	---	---	6
7	---	---	---	---	0.283E	0.771	1.39	0.215	0.173	0.179	---	---	7
8	---	---	---	---	0.566E	0.398	1.21	0.231	0.157	0.164	---	---	8
9	---	---	---	---	0.850E	0.331	0.694	0.251	0.142	0.163	---	---	9
10	---	---	---	---	0.578A	0.260	0.584	0.247	1.06	0.158	---	---	10
11	---	---	---	---	0.458	0.224	0.488	0.217	0.288	0.160	---	---	11
12	---	---	---	---	0.400	0.204	0.416	0.249	0.148	0.160	---	---	12
13	---	---	---	---	0.399	0.186	0.356	0.195	0.133	0.156	---	---	13
14	---	---	---	---	0.331	0.161	0.430	0.352	0.126	0.157	---	---	14
15	---	---	---	---	0.534	0.144	0.309	0.259	0.134	0.160	---	---	15
16	---	---	---	---	1.79	0.836	0.276	0.174	0.289	0.163	---	---	16
17	---	---	---	---	0.615	0.335	0.257	0.163	0.136	0.155	---	---	17
18	---	---	---	---	0.927	0.194	0.237	0.155	0.130	0.184	---	---	18
19	---	---	---	---	0.646	0.162	0.301	0.159	0.128	0.182	---	---	19
20	---	---	---	---	0.483	0.151	1.37	0.152	0.125	0.159	---	---	20
21	---	---	---	---	0.407	0.150	0.492	0.147	0.128	0.155	---	---	21
22	---	---	---	---	0.347	0.501	0.737	0.167	0.128	0.164	---	---	22
23	---	---	---	---	0.335	0.601	0.511	0.296	0.135	0.167	---	---	23
24	---	---	---	---	0.266	0.771	0.353	0.232	0.124	0.162	---	---	24
25	---	---	---	---	0.280	0.196	1.07	0.123	0.120	0.162	---	---	25
26	---	---	---	---	1.29	0.168	0.532	0.702	3.89	0.392	---	---	26
27	---	---	---	---	4.45	0.739	0.292	0.955	0.796	0.168	---	---	27
28	---	---	---	---	1.55	1.18	0.292	0.200	1.16	0.177	---	---	28
29	---		---	---	1.02	1.01	0.277	0.161	1.08	0.175	---	---	29
30	---		---	---	0.836	5.10	0.269	1.56	0.858	0.164	---	---	30
31	---		---		0.638		0.263	0.584		0.164		---	31
TOTAL	---	---	---	---	21.688	18.332	24.053	9.647	13.974	5.912	---	---	TOTAL
MEAN	---	---	---	---	0.700	0.611	0.776	0.311	0.466	0.191	---	---	MEAN
MAX	---	---	---	---	4.45	5.10	2.77	1.56	3.89	0.392	---	---	MAX
MIN	---	---	---	---	0.218	0.144	0.237	0.123	0.120	0.155	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.509
MAXIMUM DAILY, 5.10 ON JUN 30
MINIMUM DAILY, 0.120 ON SEP 25
MAXIMUM INSTANTANEOUS,
20.6 AT 01:40 MST ON JUN 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 01 00 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 080
FEB	---	AUG	834
MAR	---	SEP	1 210
APR	---	OCT	511
MAY	1 870	NOV	---
JUN	1 580	DEC	---

TOTAL DISCHARGE, 8 090 dam³

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.185B	0.027B	0.034B	0.030B	73.5	13.3	1.15	0.883	5.77	1.29	1.17 B	0.404B	1
2	0.175B	0.027B	0.034B	0.030B	77.4	11.9	1.06	1.09	5.58	1.29	0.898B	0.395B	2
3	0.160B	0.027B	0.033B	0.030B	84.8	10.9	0.986	1.05	5.18	1.43	0.753B	0.382B	3
4	0.150B	0.027B	0.033B	0.030B	102	9.73	1.09	2.01	4.66	1.50	1.14 B	0.372B	4
5	0.140B	0.027B	0.033B	0.030B	97.5	9.06	1.68	20.9	4.36	1.50	1.04 B	0.360B	5
6	0.130B	0.028B	0.032B	0.030B	72.9	8.99	1.02	46.3	3.95	1.49	0.810B	0.348B	6
7	0.125B	0.028B	0.032B	0.030B	62.3	8.63	0.966	43.6	3.47	1.59	0.744B	0.340B	7
8	0.123B	0.029B	0.032B	0.030B	59.5	7.97	0.899	33.6	3.12	1.76	0.550B	0.380B	8
9	0.122B	0.029B	0.032B	0.030B	57.6	7.24	0.853	25.9	2.98	1.83	0.383B	0.438B	9
10	0.121B	0.029B	0.032B	0.030B	59.5	6.73	0.924	20.0	2.92	1.93	0.372B	0.410B	10
11	0.120B	0.028B	0.031B	0.031B	66.6	6.25	0.980	16.1	2.69	2.05	0.364B	0.426B	11
12	0.116B	0.028B	0.031B	0.032B	72.6	5.72	0.938	12.9	2.51	2.33	0.357B	0.456B	12
13	0.109B	0.029B	0.031B	0.033B	78.6	5.24	0.998	10.9	2.38	2.75	0.367B	0.515B	13
14	0.102B	0.029B	0.031B	0.034B	107	4.88	1.35	9.44	2.25	3.23	0.372B	0.534B	14
15	0.096B	0.029B	0.030B	0.036B	113	4.47	1.20	8.39	2.27	3.26	0.372B	0.538B	15
16	0.075B	0.029B	0.029B	0.041B	107	3.94	1.05	7.96	2.64	3.35	0.373B	0.510B	16
17	0.065B	0.030B	0.028B	0.050B	111	3.53	0.960	7.83	2.65	3.37	0.362B	0.488B	17
18	0.055B	0.030B	0.027B	0.065B	105	3.32	0.909	7.89	2.53	3.31	0.368B	0.435B	18
19	0.045B	0.030B	0.026B	0.095B	92.0	3.05	0.879	8.10	2.37	3.06	0.361B	0.408B	19
20	0.040B	0.030B	0.025B	0.105B	80.3	2.69	0.832	7.69	2.25	2.34B	0.363B	0.370B	20
21	0.030B	0.030B	0.026B	0.330B	66.6	2.39	0.719	7.19	2.10	2.19B	0.363B	0.355B	21
22	0.027B	0.031B	0.028B	0.926B	54.7	2.14	0.695	6.86	1.97	2.65B	0.366B	0.345B	22
23	0.025B	0.031B	0.029B	1.42 B	46.3	1.95	0.757	6.07	1.82	2.66	0.363B	0.330B	23
24	0.025B	0.031B	0.030B	3.00 B	39.6	1.81	0.783	5.46	1.72	2.56	0.422B	0.315B	24
25	0.025B	0.031B	0.030B	6.00 B	33.2	1.75	0.716	5.12	1.64	2.37	0.418B	0.310B	25
26	0.026B	0.031B	0.030B	4.50 B	28.6	1.71	0.658	4.91	1.56	2.16	0.400B	0.300B	26
27	0.026B	0.031B	0.030B	7.30 B	24.6	1.62	0.778	4.98	1.49	2.09	0.362B	0.300B	27
28	0.026B	0.031B	0.030B	13.2 B	21.2	1.48	0.973	5.16	1.46	2.06	0.380B	0.300B	28
29	0.026B		0.030B	43.7 B	18.4	1.38	0.888	5.39	1.38	1.78B	0.400B	0.310B	29
30	0.026B		0.030B	63.5 B	16.1	1.24	0.714	5.27	1.34	1.19B	0.418B	0.315B	30
31	0.026B		0.030B		14.6		0.658	5.41		1.23B		0.325B	31
TOTAL	2.536	0.817	0.938	144.858	2 843.4	155.01	28.375	354.623	83.01	66.95	15.077	11.997	TOTAL
MEAN	0.082	0.029	0.030	4.83	65.9	5.17	0.915	11.4	2.77	2.16	0.516	0.387	MEAN
MAX	0.185	0.031	0.034	63.5	113	13.3	1.35	46.3	5.77	3.37	1.17	0.534	MAX
MIN	0.025	0.027	0.025	0.030	14.6	1.24	0.658	0.883	1.34	1.19	0.367	0.300	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.97
MAXIMUM DAILY, 113 ON MAY 15
MINIMUM DAILY, 0.025D ON JAN 23
MAXIMUM INSTANTANEOUS,
116 AT 18:00 MST ON MAY 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 55 10 N
LONG 117 37 05 W

DRAINAGE AREA, 4 630 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	210	JUL	2 080
FEB	70.6	AUG	38 600
MAR	81.1	SEP	7 170
APR	12 500	OCT	5 700
MAY	177 000	NOV	1 360
JUN	13 400	DEC	1 060

TOTAL DISCHARGE, 253 000 dam³

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.38B	4.00B	7.00B	8.00B	30.7	87.4	116	21.9	10.6	15.3E	12.4	7.05B	1
2	4.20B	4.70B	6.66B	8.30B	29.7	95.4	105	21.0	10.1	15.0E	11.9	7.00B	2
3	4.05B	4.50B	5.13B	8.00B	56.4	109	96.6	20.8	9.89	14.8E	10.3	6.90B	3
4	3.93B	4.35B	5.09B	8.20B	52.8	127	87.7	20.1	10.5	15.2E	11.2	6.85B	4
5	3.89B	4.25B	5.52B	8.25B	43.3	146	81.1	19.2	13.5	15.0E	12.7	6.80B	5
6	3.83B	4.20B	5.36B	8.20B	41.1	151	74.4	18.0	12.9	14.1E	12.1	6.80B	6
7	3.49B	4.15B	6.70B	7.80B	40.9	141	68.6	17.1	11.5	13.2A	10.9	6.85B	7
8	3.18B	4.05B	6.63B	7.70B	45.5	133	63.6	16.5	10.8	13.1	9.58	7.00B	8
9	3.06B	3.95B	6.40B	7.60B	41.7	116	59.9	16.9	10.3	12.7	7.92	7.15B	9
10	3.03B	3.07B	8.49B	7.80B	36.1	120	57.0	18.0	10.1	12.4	7.52	7.35B	10
11	3.07B	3.93B	8.43B	8.50B	32.7	125	54.4	17.1	11.4	12.3	7.35B	7.50B	11
12	2.82B	4.44B	8.33B	9.00B	37.2	150	51.6	16.2	12.1	12.3	7.07B	7.65B	12
13	2.65B	4.27B	8.10B	10.6 B	46.8	162	49.4	17.3	12.6	12.1	6.80B	7.77B	13
14	2.98B	4.08B	7.93B	12.0 B	60.8	172	49.9	16.2	12.3	12.0	6.45B	7.95B	14
15	3.05B	4.66B	7.89B	11.8 B	79.8	175	49.7	16.7	11.7	12.0	6.20B	8.10B	15
16	2.76B	5.23B	7.06B	9.98B	100	175	47.1	15.7	11.6	11.8	6.20B	8.20B	16
17	3.15B	6.30B	6.49B	13.1 B	103	166	44.1	14.7	11.6	11.6	6.25B	8.25B	17
18	3.61B	6.61B	6.07B	15.8	114	149	40.6	13.9	11.5	11.9	6.30B	8.20B	18
19	4.04B	6.10B	5.84B	14.6	118	143	38.2	13.3	11.3	11.9	6.40B	8.20B	19
20	4.18B	6.20B	6.02B	12.1	108	145	37.0	12.9	11.1	11.2	6.45B	8.20B	20
21	4.26B	6.25B	6.25B	14.9	115	146	36.8	13.0	11.2	11.3	6.50B	8.15B	21
22	4.07B	6.28B	7.11B	19.7	130	143	36.5	12.7	11.2	11.4	6.50B	8.13B	22
23	4.06B	6.30B	7.56B	28.2	144	135	35.8	12.5	11.3	12.0	6.65B	8.10B	23
24	3.92B	6.39B	8.23B	36.8	139	126	37.1	12.7	10.7	16.4	6.80B	8.07B	24
25	4.37B	6.35B	7.40B	38.5	153	119	29.7	13.0	10.3	15.0	7.05B	8.05B	25
26	5.53B	6.20B	7.19B	23.9	181	116	29.0	12.5	11.6 E	14.2	7.10B	8.04B	26
27	5.95B	6.73B	10.0 B	25.5	153	119	27.3	13.1	16.4 A	13.7	7.15B	8.03B	27
28	5.35B	6.90B	11.9 B	30.3	125	118	26.0	12.2	16.1 E	13.6	7.20B	8.03B	28
29	5.20B		10.6 B	34.3	103	111	24.8	11.4	15.8 E	13.4	7.15B	8.02B	29
30	5.05B		9.88B	30.7	89.5	118	23.5	11.5	15.6 A	13.1	7.10B	8.01B	30
31	4.95B		9.40B		84.8		22.2	11.1		12.2		8.00B	31
TOTAL	121.70	145.44	231.41	470.73	2 695.0	4 034.8	1 587.4	478.2	357.39	406.2	240.27	238.42	TOTAL
MEAN	3.93	5.19	7.46	15.7	85.3	134	51.2	15.4	11.9	13.1	8.01	7.69	MEAN
MAX	5.53	6.90	11.9	36.8	181	175	118	21.9	16.4	16.4	12.7	8.25	MAX
MIN	2.76	3.87	5.13	7.60	30.7	87.4	22.2	11.1	9.89	11.2	6.20	6.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.0
MAXIMUM DAILY, 181 ON MAY 26
MINIMUM DAILY, 2.76B ON JAN 16
MAXIMUM INSTANTANEOUS,
189 AT 06:05 MST ON MAY 26

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 27 N
LONG 113 49 20 W
DRAINAGE AREA, 4 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 500	JUL	137 000
FEB	12 600	AUG	41 300
MAR	20 000	SEP	30 900
APR	40 700	OCT	35 100
MAY	229 000	NOV	20 800
JUN	349 000	DEC	20 600

TOTAL DISCHARGE, 948 000 dam³

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.78B	8.45B	11.7B	36.0B	32.3	210	233	41.1	7.63	38.5	38.4	22.0B	1
2	4.56B	8.20B	12.0B	37.4B	27.9	203	247	38.8	6.93	37.6	39.8	20.5B	2
3	4.50B	8.00B	12.7B	36.4B	28.8	204	256	31.3	6.58	39.6	40.1	18.5B	3
4	4.30B	7.75B	13.2B	36.4B	39.1	186	267	28.8	7.82	38.7	39.7	17.5B	4
5	4.25B	7.55B	13.2B	36.6B	45.5	211	234	18.5	7.99	37.6	39.7	16.9B	5
6	4.19B	7.85B	13.4B	37.3B	39.2	206	199	12.5	8.25	29.8	39.0	16.4B	6
7	4.10B	7.35B	13.4B	38.0B	35.8	263	158	10.5	8.01	26.8	37.6	15.9B	7
8	4.10B	7.30B	14.2B	32.2B	36.4	276	112	9.56	7.61	27.0	34.5B	15.5B	8
9	4.03B	7.35B	14.7B	34.4B	40.1	279	82.9	9.59	7.62	27.0	31.0B	15.2B	9
10	4.00B	7.06B	15.2B	36.0B	40.9	267	74.6	10.3	8.22	26.9	27.5B	15.0B	10
11	4.20B	8.45B	16.2B	41.0B	35.5	255	69.7	10.5	8.20	25.9	25.0B	15.0B	11
12	4.50B	8.70B	16.4B	44.5B	31.6	268	54.4	8.30	9.33	23.5	24.0B	15.2B	12
13	5.00B	9.10B	17.4B	50.0B	29.3	285	52.5	7.82	10.1	23.7	25.0B	16.0B	13
14	4.95B	10.2 B	18.5B	57.0B	35.0	309	54.3	8.58	10.9	23.5	25.5B	19.3B	14
15	4.90B	11.3 B	16.0B	59.1	45.2	316	58.2	7.96	11.2	23.4	26.2B	21.0B	15
16	4.85B	12.0 B	19.3B	79.1	61.8	324	78.8	7.62	11.1	22.4	24.0B	20.4B	16
17	4.80B	11.9 B	18.0B	65.2	81.0	335	72.6	7.38	11.0	22.2	22.0B	19.7B	17
18	4.75B	12.0 B	17.0B	59.6	98.1	391	80.6A	6.95	10.8	22.1	20.5B	19.1B	18
19	4.70B	12.2 B	17.2B	54.2	101	311	71.0A	6.79	10.7	22.2	19.7B	18.7B	19
20	4.65B	12.4 B	17.0B	45.5	100	296	66.0	6.48	10.9	27.8	18.6B	16.5B	20
21	4.60B	13.5 B	17.3B	40.4	104	282	58.4	6.52	10.8	29.1	17.6B	18.3B	21
22	4.60B	13.2 B	17.2B	36.8	111	282	39.7	6.55	10.8	34.6	17.3B	17.9B	22
23	4.50B	11.4 B	17.2B	36.1	125	261	27.1	9.35	10.9	36.0	16.8B	17.6B	23
24	4.00B	10.6 B	17.5B	44.3	161	260	44.8	7.42	10.8	36.5	16.7B	17.4B	24
25	4.00B	10.2 B	17.8B	53.0	151	235	48.7	6.85	10.7	37.5	16.6B	17.2B	25
26	4.70B	10.6 B	18.0B	51.3	178	226	51.5	7.63	12.1	38.4	16.5B	17.0B	26
27	4.65B	10.7 B	19.0B	61.5	208	221	61.6	7.02	14.7	39.6	16.3B	16.8B	27
28	4.35B	11.2 B	21.0B	56.3	241	221	66.2	7.08	15.8	39.3	16.8	16.7B	28
29	4.40B		22.7B	52.8	276	199	68.7	8.10	16.3	39.0	17.5B	16.5B	29
30	4.90B		25.7B	52.3	254	193	53.1	7.08	21.1	38.3	19.5B	16.4B	30
31	4.75B		26.9B		229		45.9	7.56		38.6		16.3B	31
TOTAL	171.22	276.95	533.4	1 329.5	2 992.5	7 781	3 899.5	373.25	316.89	1 067.1	769.3	505.3	TOTAL
MEAN	5.52	9.82	17.2	44.3	96.5	257	100	12.0	10.6	34.4	25.6	17.6	MEAN
MAX	6.75	13.5	26.9	99.1	279	335	256	41.1	21.1	60.6	40.1	22.0	MAX
MIN	4.00	7.30	11.7	36.4	27.9	186	37.1	6.48	6.58	26.8	16.3	15.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.5
MAXIMUM DAILY, 335 ON JUN 17
MINIMUM DAILY, 6.48B ON AUG 16
MAXIMUM INSTANTANEOUS,
368 AT 17:35 MDT ON JUN 18

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 30 N
LONG 112 53 30 W
DRAINAGE AREA, 17 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 600	JUL	240 000
FEB	23 000	AUG	33 300
MAR	46 100	SEP	27 400
APR	115 000	OCT	92 200
MAY	260 000	NOV	66 500
JUN	685 000	DEC	47 100

TOTAL DISCHARGE, 1 640 000 dam³

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	29.5	237	226	69.7	15.7	27.0	42.5	22.0B	1
2	---	---	---	---	31.3	224	208	54.3	14.6	31.2	43.0A	22.0B	2
3	---	---	---	---	28.9	216	208	53.6	14.2	39.7	45.3	21.0B	3
4	---	---	---	---	26.5	216	206	47.2	14.5	41.9	40.0A	19.0B	4
5	---	---	---	---	30.0	203	275	43.8	14.8	42.2	46.3A	17.5B	5
6	---	---	---	---	44.5	237	263	37.4	15.9	42.4	44.0B	17.0B	6
7	---	---	---	---	43.6	273	226	26.9	16.4	38.9	41.0B	16.0B	7
8	---	---	---	---	39.4	292	189	22.1	16.1	32.9	38.0B	16.0B	8
9	---	---	---	---	38.9	311	166	19.9	15.8	31.0	34.0B	15.0B	9
10	---	---	---	---	41.3	313	187	18.6	14.5	31.0	29.0B	15.0B	10
11	---	---	---	---	46.6	298	95.4	18.6	14.0	34.0	27.0B	16.0B	11
12	---	---	---	---	42.8	287	80.3	19.5	14.3	39.6	25.5B	16.5B	12
13	---	---	---	---	37.1	306	70.4	20.7	15.5	39.3	26.0B	16.0B	13
14	---	---	---	---	33.5	332	65.0	17.8	16.7	39.0	26.5B	20.0B	14
15	---	---	---	---	33.2	359	97.5	17.5	18.1	38.7	27.0B	21.5B	15
16	---	---	---	---	41.0	362	104	17.5	19.0	38.5	26.5B	21.0B	16
17	---	---	---	---	59.0	372	96.9	16.9	19.6	38.3	25.0B	19.5B	17
18	---	---	---	---	84.6	363	83.8	15.3	19.5	38.1	23.0B	19.0B	18
19	---	---	---	---	99.2	341	97.7	14.0	19.0	38.3	21.5B	18.5B	19
20	---	---	---	---	113	347	89.6	13.5	19.7	36.8	20.5B	18.0B	20
21	---	---	---	---	123	334	83.4	13.4	19.3	35.5	19.0B	18.2B	21
22	---	---	---	38.4	118	328	76.8	13.9	18.3	32.9	18.0B	18.0B	22
23	---	---	---	30.6	121	314	52.4	15.3	18.1	34.3	18.0B	17.0B	23
24	---	---	---	28.4	137	284	45.9	16.4	17.2	38.3	17.0B	17.6B	24
25	---	---	---	31.4	154	271	49.0	13.6	16.5	39.6	17.5B	17.6B	25
26	---	---	---	44.1	166	261	62.5	15.3	16.9	39.8	17.0B	17.2B	26
27	---	---	---	50.1	192	253	64.9	16.4	17.6	42.8	17.5B	17.0B	27
28	---	---	---	41.1	222	248	70.8	16.6	17.9	42.7	17.0B	16.5B	28
29	---		---	33.5	263	250	79.3	17.0	19.3	42.8	19.0B	16.0B	29
30	---		---	31.1	282	227	71.4	16.8	25.3	41.9	20.0B	16.0B	30
31	---		---		259		60.4	16.5		42.0		16.7B	31
TOTAL	---	---	---	---	2 980.9	8 635	3 897.4	727.0	514.1	1 169.9	839.9	560.7	TOTAL
MEAN	---	---	---	---	96.2	288	126	23.5	17.1	37.7	28.0	18.1	MEAN
MAX	---	---	---	---	282	372	304	69.7	25.3	42.7	45.9	22.0	MAX
MIN	---	---	---	---	26.5	203	45.9	13.4	14.0	27.0	17.5	15.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 372 ON JUN 17

MAXIMUM INSTANTANEOUS, 401 AT 13:55 MST ON JUN 19

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 08 N
LONG 111 48 00 W
DRAINAGE AREA, 27 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	337 000
FEB	---	AUG	62 000
MAR	---	SEP	44 000
APR	---	OCT	101 000
MAY	258 000	NOV	72 000
JUN	746 000	DEC	48 400

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.650B	1.45 B	1.84B	2.68B	7.90	38.4	38.4	7.21	4.48	5.63	3.23B	2.12B	1
2	0.610B	1.35 B	1.88B	2.72B	11.5	34.4	35.6	7.20	4.38	5.57	2.77B	2.10B	2
3	0.570B	1.25 B	1.92B	2.79B	15.9	39.4	32.7	7.16	4.31	5.60	2.14B	2.07B	3
4	0.530B	1.10 B	1.96B	2.85B	11.8	45.2	29.8	6.83	4.89	5.58	2.15B	2.06B	4
5	0.495B	1.00 B	2.00B	2.91B	9.07	54.0	27.8	6.29	6.00	5.38	2.14B	2.06B	5
6	0.590B	0.900B	2.04B	2.98B	9.27	57.2	25.4	6.18	5.11	4.98	2.12B	2.05B	6
7	0.690B	0.900B	2.08B	3.04B	9.49	49.9	23.6	6.16	4.88	4.98	2.10B	2.06B	7
8	0.810B	0.970B	2.12B	3.10B	9.67	44.2	22.1	6.13	4.63	5.00	2.06B	2.07B	8
9	0.950B	0.980B	2.16B	3.45B	8.36	47.2	20.8	6.12	4.58	4.87	2.07B	2.08B	9
10	1.10 B	1.00 B	2.20B	3.80B	7.06	50.8	19.4	6.13	4.57	4.80	2.08B	2.10B	10
11	1.20 B	1.10 B	2.14B	4.14B	6.72	58.4	18.3	5.77	4.70	4.70	2.08B	2.14B	11
12	1.32 B	1.21 B	2.07B	4.49B	10.2	64.6	17.2	5.62	4.73	4.73	2.13B	2.17B	12
13	1.40 B	1.31 B	2.00B	4.83B	12.6	67.1	16.6	5.55	4.98	4.68	2.17B	2.20B	13
14	1.52 B	1.42 B	1.93B	4.90B	18.1	70.2	15.8	6.29	4.87	4.60	2.20B	2.23B	14
15	1.60 B	1.52 B	1.86B	4.85B	23.9	70.4	15.2	5.96	4.78	4.53	2.21B	2.27B	15
16	1.65 B	1.62 B	1.79B	4.85B	27.4	71.6	14.1	5.59	4.91	4.48	2.28B	2.27B	16
17	1.55 B	1.80 B	1.70B	4.85B	28.1	68.4	13.1	5.34	4.91	4.54	2.30B	2.30B	17
18	1.45 B	2.00 B	1.60B	4.85B	31.9	56.7	13.1	5.17	4.77	4.61	2.30B	2.35B	18
19	1.35 B	2.12 B	1.67B	5.05B	30.7	50.1	11.6	5.02	4.68	4.51	2.19B	2.32B	19
20	1.25 B	2.10 B	1.75B	5.35B	28.7	54.8	10.8	4.98	4.62	4.32	2.17B	2.15B	20
21	1.15 B	2.02 B	1.82B	5.85B	33.2	58.5	10.5	4.85	4.63	4.76	2.12B	2.11B	21
22	1.05 B	1.94 B	1.90B	6.60B	37.6	51.8	9.80	4.77	4.77	4.82	2.09B	2.11B	22
23	1.25 B	1.86 B	1.97B	7.60B	40.4	47.6	9.36	4.84	4.67	5.65	2.08B	2.12B	23
24	1.50 B	1.78 B	2.05B	8.60B	38.9	44.0	8.97	4.95	4.59	5.56	2.10B	2.15B	24
25	1.74 B	1.70 B	2.12B	8.08B	50.5	43.3	8.64	4.67	4.53	5.07	2.10B	2.20B	25
26	1.95 B	1.73 B	2.20B	8.78B	58.1	39.3	8.29	4.98	5.76	4.86	2.21B	2.19B	26
27	2.05 B	1.77 B	2.27B	8.64B	59.0	41.9	7.95	5.23	7.36	4.71	2.22B	2.13B	27
28	1.95 B	1.84 B	2.35B	8.52	51.8	39.2	7.76	4.79	6.36	4.58	2.16B	2.14B	28
29	1.85 B		2.42B	8.01	36.8	37.3	7.62	4.71	6.04	4.65	2.14B	2.14B	29
30	1.70 B		2.50B	7.84	28.0	41.3	7.41	4.76	5.77	3.83B	2.12B	2.20B	30
31	1.60 B		2.60B		28.1		7.23	4.61		3.52B		2.30B	31
TOTAL	39.07S	41.86B	62.91	198.01	738.72	1 538.1	513.81	173.73	149.97	149.39	66.03	67.48	TOTAL
MEAN	1.26	1.50	2.03	6.27	23.8	50.8	16.6	5.60	5.00	4.82	2.20	2.18	MEAN
MAX	2.05	2.12	2.60	8.01	59.1	71.6	38.4	7.21	7.36	5.65	3.23	2.32	MAX
MIN	0.495	0.970	1.60	2.66	6.72	28.0	7.23	4.61	4.31	3.83	2.06	2.06	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.0
MAXIMUM DAILY, 71.6 ON JUN 16
MINIMUM DAILY, 0.495B ON JAN 5
MAXIMUM INSTANTANEOUS, 78.4 AT 00:17 MST ON JUN 16

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 56 N
LONG 114 11 00 W
DRAINAGE AREA, 1 050 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 300	JUL	44 000
FEB	3 630	AUG	15 000
MAR	5 440	SEP	13 000
APR	13 700	OCT	13 000
MAY	63 200	NOV	5 790
JUN	132 000	DEC	5 830

TOTAL DISCHARGE, 317 000 dam³

CHESTER CREEK NEAR PATRICIA - STATION NO. 05CJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.300B	0.087	2.06	5.90	3.04	3.68	3.98	---	---	1
2	---	---	0 B	0.260B	0.075E	1.85	10.1	3.70	3.16	3.71	---	---	2
3	---	---	0 B	0.220B	0.068E	2.06	7.63	3.77	3.18	3.58	---	---	3
4	---	---	0 B	0.160B	0.058E	2.37	4.74	3.41	3.10	3.04	---	---	4
5	---	---	0 B	0.100B	0.048E	3.09	4.14	3.17	3.19	3.32	---	---	5
6	---	---	0 B	0.060B	0.076A	4.93	4.12	2.76	3.01	4.54	---	---	6
7	---	---	0 B	0.071B	0.068E	3.36	3.56	2.95	2.75	4.20	---	---	7
8	---	---	0 B	0.080B	0.132	2.76	3.85	3.27	2.84	3.73	---	---	8
9	---	---	0 B	0.060B	0.147	2.67	3.97	3.40	2.88	3.43	---	---	9
10	---	---	0.060B	0.500B	0.141	2.51	3.87	3.08	2.68	3.43	---	---	10
11	---	---	0.100B	3.43 B	0.131	2.57	2.10	3.58	2.45	3.43	---	---	11
12	---	---	0.040B	3.15 B	0.119	2.56	1.95	4.23	2.45	3.38	---	---	12
13	---	---	0.020B	2.41 B	0.106	2.69	2.11	4.01	2.55	3.37	---	---	13
14	---	---	0 B	1.76 B	0.063	2.51	2.14	3.98	2.57	3.27	---	---	14
15	---	---	0 B	1.00 B	0.078	2.17	2.44	3.62	2.52	3.49	---	---	15
16	---	---	0 B	0.691B	0.117	2.28	2.36	3.28	2.53	3.66	---	---	16
17	---	---	0 B	0.517B	0.182	2.59	2.56	3.11	2.53	3.28	---	---	17
18	---	---	0 B	0.316B	0.263	2.33	2.73	2.88	2.54	2.70	---	---	18
19	---	---	0 B	0.360B	0.304	2.34	2.63	2.84	2.47	2.52	---	---	19
20	---	---	0 B	0.379B	0.384	2.73	2.21	2.70	2.41	2.39	---	---	20
21	---	---	0 B	0.361B	0.381	2.88	2.40	2.98	2.21	2.12	---	---	21
22	---	---	0.080B	0.326	0.739	2.53	2.42	3.23	1.89	1.88	---	---	22
23	---	---	0.400B	0.277	0.865	2.56	2.53	3.45	0.929	1.72	---	---	23
24	---	---	0.460B	0.191	0.867	2.63	2.64	3.38	0.954	1.60	---	---	24
25	---	---	0.398B	0.180	0.962	3.08	2.62	3.29	1.65	1.58	---	---	25
26	---	---	0.343B	0.113	1.47	3.21	3.44	3.54	2.12	1.48 A	---	---	26
27	---	---	1.41 B	0.090	2.35	4.25	2.92	3.87	3.05	1.30 E	---	---	27
28	---	---	4.92 B	0.086	2.07	4.90	2.56	4.21	3.58	1.20 E	---	---	28
29	---		3.58 B	0.082	2.14	4.90	2.88	4.19	4.62	1.10 E	---	---	29
30	---		2.29 B	0.105	2.47	5.22	2.86	3.90	4.62	1.00 E	---	---	30
31	---		0.870B		2.18		2.88	3.82		0.900E		---	31
TOTAL	---	---	14.979	17.635	19.089	88.19	100.96	106.64	79.553	84.660	---	---	TOTAL
MEAN	---	---	0.483	0.588	0.613	2.94	3.26	3.44	2.65	2.72	---	---	MEAN
MAX	---	---	4.92	3.43	2.47	5.22	10.1	4.23	4.62	4.54	---	---	MAX
MIN	---	---	0	0.060	0.040	1.85	1.95	2.70	0.929	0.900	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.60
MAXIMUM DAILY, 10.1 ON JUL 2
MINIMUM DAILY, 0.040E ON MAY 5
MAXIMUM INSTANTANEOUS,
10.8 AT 07:29 MST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 111 41 15 W

DRAINAGE AREA, 495 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 730
FEB	---	AUG	9 210
MAR	1 290	SEP	6 870
APR	1 520	OCT	7 300
MAY	1 640	NOV	---
JUN	7 620	DEC	---

TOTAL DISCHARGE, 41 400 dam³

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.060B	0.080B	78.0	2.65	0.360	1.32	2.79	0.277	1.26A	---	1
2	---	---	0.060B	0.080B	71.4	2.38	0.451	1.35	3.11	0.366	---	---	2
3	---	---	0.060B	0.080B	64.1	2.15	1.11	1.15	3.22	0.506	---	---	3
4	---	---	0.063B	0.090B	55.0	1.96	1.36	1.09	2.71	0.596	---	---	4
5	---	---	0.063B	0.100B	43.8	2.11	12.0	2.78	2.23	0.645	---	---	5
6	---	---	0.063B	0.120B	31.4	1.85	37.9	2.89	1.89	0.426	---	---	6
7	---	---	0.063B	0.140B	23.9	1.79	43.4	1.99	3.86	0.706	---	---	7
8	---	---	0.063B	0.160B	21.8	2.18	30.8	1.68	4.88	0.711	---	---	8
9	---	---	0.063B	0.180B	15.8	2.90	17.3	1.48	3.89	0.596	---	---	9
10	---	---	0.063B	0.200B	12.9	3.46	11.5	1.22	3.04	0.482	---	---	10
11	---	---	0.063B	0.210B	11.3	2.88	8.79	1.74	2.37	0.649	---	---	11
12	---	---	0.063B	0.230B	10.4	1.85	6.58	1.07	1.86	0.455	---	---	12
13	---	---	0.063B	0.260B	9.97	1.51	4.91	0.899	1.51	0.670	---	---	13
14	---	---	0.063B	0.280B	9.32	1.30	3.93	1.02	1.01	0.668	---	---	14
15	---	---	0.063B	0.310B	8.39	1.16	3.26	1.39	1.29	0.524	---	---	15
16	---	---	0.063B	0.340B	8.28	1.29	12.4	1.37	1.09	0.244	---	---	16
17	---	---	0.063B	0.400B	7.97	1.21	26.3	1.39	0.948	0.559	---	---	17
18	---	---	0.063B	0.500B	7.76	1.08	17.3	1.94	0.863	0.623	---	---	18
19	---	---	0.063B	1.00 B	8.14	0.964	9.90	2.98	0.817	0.466	---	---	19
20	---	---	0.070B	5.00 B	9.30	0.834	6.98	3.06	0.964	0.384	---	---	20
21	---	---	0.070B	13.0 B	12.7	0.657	6.25	2.38	0.831	0.313	---	---	21
22	---	---	0.070B	40.5	11.0	0.556	5.96	1.88	0.698	0.339	---	---	22
23	---	---	0.070B	71.0	9.92	0.381	5.11	1.49	0.701	0.886	---	---	23
24	---	---	0.070B	78.6	7.51	0.335	6.55	1.29	0.662	0.883	---	---	24
25	---	---	0.070B	81.9	6.95	0.232	6.05	1.29	0.558	0.697	---	---	25
26	---	---	0.080B	82.2	6.60	0.188	4.42	1.43	0.483	0.756	---	---	26
27	---	---	0.090B	82.0	5.67	0.168	3.24	1.62	0.405	0.882	---	---	27
28	---	---	0.090B	81.6	4.98	0.152	2.64	2.67	0.406	0.935	---	---	28
29	---		0.100B	82.2	4.61	0.136	3.38	3.02	0.388	1.05	---	---	29
30	---		0.090B	81.4	3.75	0.274	1.84	2.68	0.339	0.716	---	---	30
31	---		0.080B		3.12		1.50	2.97		0.863		---	31
TOTAL	---	---	2.138	703.966	504.24	38.778	388.281	55.989	50.167	18.438	---	---	TOTAL
MEAN	---	---	0.069	23.5	16.8	1.29	9.68	1.80	1.67	0.595	---	---	MEAN
MAX	---	---	0.100	82.2	78.0	2.90	43.4	3.06	4.88	1.05	---	---	MAX
MIN	---	---	0.060	0.080	3.12	0.136	0.360	0.899	0.339	0.313	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.16
MAXIMUM DAILY, 82.2 ON APR 26
MINIMUM DAILY, 0.060B ON MAR 1
MAXIMUM INSTANTANEOUS,
85.6 AT 14:25 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 06 45 N
LONG 114 23 55 W

DRAINAGE AREA, 2 390 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 900
FEB	---	AUG	6 830
MAR	186	SEP	4 330
APR	60 880	OCT	1 590
MAY	50 500	NOV	---
JUN	3 350	DEC	---

TOTAL DISCHARGE, 151 600 dam³

PADDLE RIVER AT HIGHWAY NO. 764 - STATION NO. 07BB013

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	4.202	7.752	4.378A	4.055	4.164	4.302	4.005	4.100A	---	1
2	---	---	---	4.207	7.422	4.353	4.091	4.152	4.336	4.021	---	---	2
3	---	---	---	4.219	7.056	4.334	4.126	4.193	4.294	4.049	---	---	3
4	---	---	3.978A	4.226	6.747	4.306	4.091	4.353	4.225	4.052	---	---	4
5	---	---	3.977	4.239	---	4.190	4.366	4.311	4.193	4.044	---	---	5
6	---	---	3.978	4.245	6.370	4.188	7.263	4.278	4.263	4.081	---	---	6
7	---	---	3.978	4.254	5.996	4.206	6.894	4.237	4.479	4.070	---	---	7
8	---	---	3.977	4.268	5.655	4.324	6.601	4.195	4.396	4.049	---	---	8
9	---	---	3.977	4.293	5.302	4.305	5.391	4.170	4.318	4.046	---	---	9
10	---	---	3.978	4.306	5.092	4.255	5.093	4.127	4.234	4.061	---	---	10
11	---	---	3.982	4.335	4.868	4.231	4.891	4.107	4.168	4.040	---	---	11
12	---	---	3.983	4.318	4.770	4.188	4.783	4.093	4.137	4.039	---	---	12
13	---	---	3.989	4.317	4.673	4.159	4.579	4.085	4.127	4.040	---	---	13
14	---	---	3.998	4.349	4.603	4.138	4.470	4.129	4.115	4.010	---	---	14
15	---	---	4.015	4.375	4.595A	4.141	4.580	4.153	4.089	3.997	---	---	15
16	---	---	4.053	4.376	---	4.143	4.822	4.147	4.071	3.998	---	---	16
17	---	---	4.154	4.380	---	4.122	4.884	4.191	4.059	3.995	---	---	17
18	---	---	4.367	4.382	---	4.107	5.301	4.275	4.056	3.971	---	---	18
19	---	---	4.663	4.504	---	4.088	4.912	4.357	4.060	3.948	---	---	19
20	---	---	4.620	5.210	---	4.051	4.741	4.282	4.055	4.000	---	---	20
21	---	---	4.579	5.593	---	4.036	4.738	4.219	4.036	4.031	---	---	21
22	---	---	4.514	6.632	---	4.006	4.634	4.161	4.034	4.060	---	---	22
23	---	---	4.465	7.772	---	3.983	4.703	4.127	4.037	4.080	---	---	23
24	---	---	4.435	8.227	---	3.971	4.794	4.111	4.027	4.092	---	---	24
25	---	---	4.382	8.283	---	3.972	4.627	4.133	4.005	4.108	---	---	25
26	---	---	4.319	8.338	---	3.971	4.479	4.123	4.004	4.095	---	---	26
27	---	---	4.275	8.358	---	3.972	4.391	4.196	3.993	4.077	---	---	27
28	---	---	4.250	8.422	---	3.995	4.338	4.313	3.997	4.086	---	---	28
29	---		4.238	8.366	---	4.032	4.287	4.269	3.992	4.106	---	---	29
30	---		4.228	8.131	---	4.040	4.230	4.300	3.994	4.096	---	---	30
31	---		4.211		---		4.191	4.281		4.136		---	31
MEAN	---	---	---	5.584	---	4.126	4.943	4.201	4.136	4.047	---	---	MEAN
MAX	---	---	---	8.422	---	4.324	7.263	4.357	4.479	4.136	---	---	MAX
MIN	---	---	---	4.202	---	3.971	4.055	4.085	3.983	3.940	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 8.422 ON APR 28

MAXIMUM INSTANTANEOUS,
8.442 AT 18:00 MST ON APR 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 02 54 N
LONG 114 48 12 W

A - MANUAL GAUGE

NATURAL FLOW

PADDLE RIVER NEAR ARSELNO - STATION NO. 07BB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.032B	0.060B	5.70 B	0.921	0.845	0.555	1.56	0.314	0.471	---	1
2	---	---	0.032B	0.060B	5.45	0.962	0.893	1.10	1.29	0.347	0.446	---	2
3	---	---	0.032B	0.060B	5.41	0.934	1.14	1.14	1.09	0.395	0.418	---	3
4	---	---	0.032B	0.060B	4.31	0.952	6.65	0.911	1.02	0.415	0.398A	---	4
5	---	---	0.032B	0.062B	3.50	1.04	17.1	0.780	1.67	0.403	---	---	5
6	---	---	0.032B	0.064B	2.96	1.39	11.4	0.625	1.71	0.485	---	---	6
7	---	---	0.032B	0.067B	2.63	1.48	6.33	0.585	1.27	0.419	---	---	7
8	---	---	0.032B	0.071B	2.25	1.31	4.24	0.492	0.966	0.433	---	---	8
9	---	---	0.032B	0.071B	2.00	1.19	3.34	0.401	0.733	0.444	---	---	9
10	---	---	0.032B	0.076B	1.84	1.10	2.54	0.378	0.658	0.441	---	---	10
11	---	---	0.050B	0.086B	1.74	0.991	1.95	0.444	0.662	0.451	---	---	11
12	---	---	0.050B	0.095B	1.62	0.918	1.60	0.777	0.586	0.465	---	---	12
13	---	---	0.050B	0.105B	1.54	0.822	1.29	0.739	0.521	0.469	---	---	13
14	---	---	0.050B	0.110B	1.46	0.730	2.41	0.675	0.526	0.489	---	---	14
15	---	---	0.050B	0.117B	1.42	0.662	15.7	0.820	0.524	0.493	---	---	15
16	---	---	0.050B	0.124B	1.53	0.608	12.1	1.18	0.572	0.496	---	---	16
17	---	---	0.060B	0.138B	1.61	0.534	6.07	1.35	0.489	0.513	---	---	17
18	---	---	0.070B	0.163B	1.63	0.469	3.97	1.28	0.444	0.535	---	---	18
19	---	---	0.090B	0.193B	2.67	0.545	3.21	0.956	0.400	0.535	---	---	19
20	---	---	0.100B	0.203B	2.51	0.463	2.98	0.750	0.386	0.526	---	---	20
21	---	---	0.130B	0.958B	2.04	0.426	2.39	0.748	0.374	0.522	---	---	21
22	---	---	0.140B	4.22 B	1.72	0.409	2.51	0.865	0.371	0.516	---	---	22
23	---	---	0.150B	9.57 B	1.63	0.553	2.57	1.02	0.350	0.519	---	---	23
24	---	---	0.150B	10.8 B	1.51	0.604	1.92	0.960	0.335	0.527	---	---	24
25	---	---	0.130B	9.17 B	1.38	0.706	1.42	1.26	0.327	0.535	---	---	25
26	---	---	0.100B	8.88 B	1.30	0.748	1.05	1.64	0.345	0.542	---	---	26
27	---	---	0.100B	8.00 B	1.21	0.728	0.814	1.44	0.327	0.544	---	---	27
28	---	---	0.100B	7.62 B	1.12	0.782	0.667	1.51	0.341	0.550	---	---	28
29	---		0.090B	7.32 B	1.04	0.860	0.560	1.53	0.317	0.509	---	---	29
30	---		0.080B	6.76 B	0.974	0.846	0.474	1.49	0.313	0.485	---	---	30
31	---		0.060B		0.940		0.397	1.64		0.475		---	31
TOTAL	---	---	2.150	74.697	68.444	24.657	130.532	29.929	20.677	14.712	---	---	TOTAL
MEAN	---	---	0.069	2.49	2.21	0.822	3.89	0.965	0.683	0.475	---	---	MEAN
MAX	---	---	0.150	10.8	5.70	1.48	17.1	1.64	1.71	0.550	---	---	MAX
MIN	---	---	0.032	0.060	0.940	0.409	0.397	0.378	0.313	0.314	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.93
MAXIMUM DAILY, 17.1 ON JUL 5
MINIMUM DAILY, 0.032B ON MAR 1
MAXIMUM INSTANTANEOUS,
30.6 AT 16:25 MST ON JUL 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 51 29 N
LONG 115 21 45 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 480
FEB	---	AUG	3 590
MAR	186	SEP	1 770
APR	6 458	OCT	1 270
MAY	5 910	NOV	---
JUN	2 130	DEC	---

TOTAL DISCHARGE, 30 700 dam³

PADDLE RIVER NEAR ROCKPORT BRIDGE - STATION NO. 07BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.140B	0.080B	17.5	0.551	0.077	0.523	2.23	0.350	0.487	---	1
2	---	---	0.140B	0.030B	16.1	0.378	0.086	0.924	2.01	0.488	0.477B	---	2
3	---	---	0.140B	0.020B	15.5	0.332	0.212	1.98	1.50	0.403	---	---	3
4	---	---	0.140B	0.015B	13.3	0.323	14.5	1.90	1.16	0.473	---	---	4
5	---	---	0.130B	0.012B	9.54 A	0.349	30.6	1.31	1.79	0.587	---	---	5
6	---	---	0.130B	0.010B	8.53 E	0.460	25.6	1.18	4.01	0.468	---	---	6
7	---	---	0.130B	0.008B	7.52 E	0.924	16.1	1.08	3.25	0.451	---	---	7
8	---	---	0.130B	0.008B	6.50 E	0.889	7.38	0.865	2.52	0.385	---	---	8
9	---	---	0.130B	0.008B	5.50 E	0.695	4.69	0.605	1.68	0.371	---	---	9
10	---	---	0.130B	0.008B	4.50 E	0.614	3.59	0.515	1.17	0.371	---	---	10
11	---	---	0.130B	0.008B	3.50 E	0.468	2.81	0.565	0.893	0.384	---	---	11
12	---	---	0.140B	0.010B	2.51 A	0.351	2.52	0.470	0.850	0.333	---	---	12
13	---	---	0.140B	0.015B	2.11	0.240	2.29	0.912	0.767	0.322	---	---	13
14	---	---	0.140B	0.026B	1.95	0.193	1.85	0.902	0.577	0.340	---	---	14
15	---	---	0.140B	0.050B	2.02	0.181	15.5	0.749	0.549	0.026	---	---	15
16	---	---	0.140B	0.100B	1.89	0.121	21.5	1.02	0.537	0	---	---	16
17	---	---	0.140B	0.550B	2.03	0.094	9.88	1.84	0.620	0	---	---	17
18	---	---	0.140B	1.00 B	2.18	0.082	3.87	2.14	0.524	0.084	---	---	18
19	---	---	0.140B	1.57 B	2.85	0.047	2.48	1.80	0.369	0.205	---	---	19
20	---	---	0.120B	5.00 B	3.67	0.030	2.49	1.27	0.309	0.384	---	---	20
21	---	---	0.100B	13.0 B	3.01	0.012	2.26	0.938	0.293	0.534	---	---	21
22	---	---	0.090B	21.0 B	2.35	0.012	2.29	0.746	0.266	0.464	---	---	22
23	---	---	0.090B	29.0 B	1.97	0.010	2.83	0.650	0.265	0.511	---	---	23
24	---	---	0.090B	35.5 B	1.72	0.007	2.54	0.802	0.257	0.485	---	---	24
25	---	---	0.100B	36.9	1.63	0.004	1.94	0.763	0.251	0.325	---	---	25
26	---	---	0.100B	31.1	1.39	0.008	1.37	1.50	0.268	0.241	---	---	26
27	---	---	0.100B	28.2	1.18	0.022	1.18	2.06	0.236	0.608	---	---	27
28	---	---	0.100B	25.9	1.02	0.040	1.15	1.78	0.246	0.508	---	---	28
29	---		0.100B	22.6	0.881	0.017	0.890	1.85	0.304	0.487	---	---	29
30	---		0.100B	20.0	0.718	0.075	0.737	1.81	0.338	0.691	---	---	30
31	---		0.100B		0.612		0.582	1.91		0.472		---	31
TOTAL	---	---	3.780	271.72B	145.681	7.469	185.748	37.359	30.039	11.711	---	---	TOTAL
MEAN	---	---	0.122	9.06	4.70	0.249	5.99	1.21	1.00	0.378	---	---	MEAN
MAX	---	---	0.140	36.9	17.5	0.924	30.6	2.14	4.01	0.691	---	---	MAX
MIN	---	---	0.090	0.008	0.612	0.004	0.077	0.470	0.236	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.83
MAXIMUM DAILY, 36.9 ON APR 25
MINIMUM DAILY, 0 ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 50 N
LONG 115 02 20 W
DRAINAGE AREA, 624 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 000
FEB	---	AUG	3 230
MAR	327	SEP	2 600
APR	23 500	OCT	1 010
MAY	12 600	NOV	---
JUN	645	DEC	---

TOTAL DISCHARGE, 59 900 dam³

PADDLE RIVER NEAR SANGUDO - STATION NO. 07BB012

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.893A	3.032	4.629	2.528	---	2.310	2.643	2.192	---	---	1
2	---	---	---	3.034	4.384	2.455	---	2.316	2.652	2.217	---	---	2
3	---	---	---	3.038	4.275	2.409	---	2.532	2.537	2.225	---	---	3
4	---	---	3.088A	3.036	4.141	2.387	---	2.651	2.405	2.222	---	---	4
5	---	---	---	3.027	3.808	2.370	5.490A	2.563	2.358	2.265	---	---	5
6	---	---	---	3.027	3.551	2.400	---	2.528	2.504	2.277	---	---	6
7	---	---	---	3.029	3.380	2.519	4.930A	2.442	2.825A	2.246	---	---	7
8	---	---	---	3.035	3.249	2.705	4.070	2.413	2.714A	2.237	---	---	8
9	---	---	---	3.049	3.133	2.636	3.608	2.355	---	2.235	---	---	9
10	---	---	---	3.064	3.024	2.583	3.325	2.284	---	2.233	---	---	10
11	---	---	---	3.098	2.936	2.552	3.142	2.255	---	2.228	---	---	11
12	---	---	---	3.147	2.905	2.513	2.947	2.271	---	2.223	---	---	12
13	---	---	---	3.175	2.842	2.608	2.823	2.268	---	2.225	---	---	13
14	---	---	---	3.116	2.798	2.640	2.699	2.408	---	2.217	---	---	14
15	---	---	---	3.062	2.810	2.614	3.358	2.327	---	2.222	---	---	15
16	---	---	---	3.062	2.794	2.623	4.634	2.353	---	2.213	---	---	16
17	---	---	---	3.091	2.809	---	4.223	2.489	---	2.170	---	---	17
18	---	---	---	3.319	2.886	---	3.516	2.640	---	2.162	---	---	18
19	---	---	---	3.688	2.971	---	3.183	2.652	---	2.236	---	---	19
20	---	---	---	3.962	3.472	---	3.070	2.517	---	2.244	---	---	20
21	---	---	---	---	4.687	3.349	---	3.062	2.425	---	2.281	---	---	21
22	---	---	---	3.040A	5.726	3.126	---	2.915	2.354	---	2.291	---	---	22
23	---	---	---	3.036	6.338	2.978	---	3.115	2.294	---	2.276	---	---	23
24	---	---	---	3.030	6.593	2.908	---	3.090	2.327	---	2.257	---	---	24
25	---	---	---	3.043	6.563	2.900	---	2.883	2.359	---	2.235	---	---	25
26	---	---	---	3.050	6.393	2.809	---	2.706	2.341	---	2.243	---	---	26
27	---	---	---	3.061	6.046	2.758	---	2.597	2.586	---	2.235A	---	---	27
28	---	---	---	3.062	5.651	2.698	---	2.528	2.500	---	---	---	---	28
29	---	---	---	3.060	5.301	2.636	---	2.454	2.541	2.142A	---	---	---	29
30	---	---	---	3.055	4.951	2.588	---	2.394	2.622	2.171	---	---	---	30
31	---	---	---	3.043		2.552		2.334	2.579		---	---	---	31
MEAN	---	---	---	---	4.041	3.164	---	---	2.438	---	---	---	---	MEAN
MAX	---	---	---	---	6.593	4.629	---	---	2.652	---	---	---	---	MAX
MIN	---	---	---	---	3.037	2.552	---	---	2.255	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 6.593 ON APR 24

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 26 N
LONG 114 53 35 W

A - MANUAL GAUGE

NATURAL FLOW

PAINTEARTH CREEK NEAR WALKIRK - STATION NO. 05PC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.020B	0.090E	0.003	0	0	0.008	0	---	---	1
2	---	---	0 B	0.015B	0.070E	0.003	0.194	0	0.005	0	---	---	2
3	---	---	0 B	0.010B	0.050E	0.002	0.476	0	0.003	0.037	---	---	3
4	---	---	0 B	0.008B	0.038E	0.002	0.394	0.003	0.002	0.029	---	---	4
5	---	---	0 B	0.006B	0.030E	0.022	1.01	0.003	0.021	0.023	---	---	5
6	---	---	0 B	0.005B	0.023E	0.046	1.67	0.002	0.018	0.009	---	---	6
7	---	---	0 B	0.005B	0.017E	0.015	0.587	0	0.008	0.003	---	---	7
8	---	---	0 B	0.004B	0.013E	0.008	0.382	0	0.005	0.002	---	---	8
9	---	---	0 B	0.005B	0.010E	0.005	0.547	0	0.005	0.001	---	---	9
10	---	---	0 B	0.010B	0.007E	0.003	0.225	0	0.003	0.001	---	---	10
11	---	---	0 B	0.100B	0.005E	0.002	0.242	0	0.004	0.001	---	---	11
12	---	---	0 B	1.38 B	0.003	0.001	0.151	0.001	0.002	0.001	---	---	12
13	---	---	0 B	2.81 B	0.002	0.001	0.138	0.007	0.001	0.001	---	---	13
14	---	---	0 B	5.73 A	0.002	0.001	0.230	0.006	0	0	---	---	14
15	---	---	0 B	6.05	0.002	0.003	0.225	0.045	0	0.001	---	---	15
16	---	---	0 B	2.50	0.001	0.002	0.180	0.028	0	0.001	---	---	16
17	---	---	0 B	1.39	0.001	0.001	0.122	0.015	0	0.002	---	---	17
18	---	---	0 B	0.988	0	0	0.092	0.008	0	0.002	---	---	18
19	---	---	0 B	0.871	0.046	0	0.084	0.002	0	0.002	---	---	19
20	---	---	0 B	0.649	0.025	0	0.039	0.002	0	0.002	---	---	20
21	---	---	0 B	0.592	0.007	0	0.021	0.002	0	0.002	---	---	21
22	---	---	0 B	0.569	0.002	0	0.014	0.002	0	0.001	---	---	22
23	---	---	0 B	0.516	0.070	0	0.005	0.002	0	0.001	---	---	23
24	---	---	0 B	0.431	0.078	0	0.004	0.007	0	0	---	---	24
25	---	---	0 B	0.311	0.031	0	0.053	0.031	0	0	---	---	25
26	---	---	0 B	0.260E	0.028	0	0.085	0.037	0	0.001A	---	---	26
27	---	---	0 B	0.220E	0.030	0	0.030	0.027	0	0.001E	---	---	27
28	---	---	0 B	0.180E	0.032	0	0.012	0.039	0	0.001E	---	---	28
29	---		0.128B	0.150E	0.024	0	0.006	0.035	0	0.001E	---	---	29
30	---		0.050B	0.120E	0.008	0	0.003	0.017	0	0.001E	---	---	30
31	---		0.030B		0.003		0	0.011		0.001E		---	31
TOTAL	---	---	0.208	25.905	0.748	0.120	7.219	0.328	0.085	0.128	---	---	TOTAL
MEAN	---	---	0.007	0.864	0.024	0.004	0.233	0.011	0.003	0.004	---	---	MEAN
MAX	---	---	0.128	6.05	0.090	0.046	1.67	0.045	0.021	0.037	---	---	MAX
MIN	---	---	0	0.004	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 6.05 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.45 AT 10:02 MST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 23 00 N
LONG 112 08 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	628
FEB	---	AUG	28.3
MAR	18.0	SEP	7.34
APR	2 240	OCT	11.1
MAY	64.6	NOV	---
JUN	10.4	DEC	---

TOTAL DISCHARGE, 3 000 dam³

PARPLESH CREEK NEAR CHANCELLOR - STATION NO. 05BN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.600B	0.006	0	0	0	0	0	0	---	1
2	---	---	0 B	0.460B	0.004	0	0	0	0	0	---	---	2
3	---	---	0 B	0.330B	0.005	0	0	0	0	0	---	---	3
4	---	---	0 B	0.250B	0.006	0	0	0	0	0	---	---	4
5	---	---	0 B	0.136B	0.005	0	0	0	0	0	---	---	5
6	---	---	0 B	0.090B	0.005	0	0	0	0	0	---	---	6
7	---	---	0 B	0.093B	0.006	0	0	0	0	0	---	---	7
8	---	---	0 B	0.093B	0.008	0	0	0	0	0	---	---	8
9	---	---	0 B	0.097B	0.009	0	0	0	0	0	---	---	9
10	---	---	0 B	0.350B	0.010	0	0	0	0	0	---	---	10
11	---	---	0 B	0.800B	0.010	0	0	0	0	0	---	---	11
12	---	---	0 B	1.96	0.010	0	0	0	0	0	---	---	12
13	---	---	0 B	1.15	0.010	0	0	0	0	0	---	---	13
14	---	---	0 B	0.652	0.009	0	0	0	0	0	---	---	14
15	---	---	0 B	0.490	0.008	0	0	0	0	0	---	---	15
16	---	---	0 B	0.361	0.008	0	0	0	0	0	---	---	16
17	---	---	0 B	0.229	0.007	0	0	0	0	0	---	---	17
18	---	---	0 B	0.147	0.007	0	0	0	0	0	---	---	18
19	---	---	0 B	0.085	0.007	0	0	0	0	0	---	---	19
20	---	---	0 B	0.060	0.006	0	0	0	0	0	---	---	20
21	---	---	0 B	0.028	0.005	0	0	0	0	0	---	---	21
22	---	---	0 B	0.014	0.003	0	0	0	0	0	---	---	22
23	---	---	0 B	0.012	0.002	0	0	0	0	0	---	---	23
24	---	---	0 B	0.009	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.007	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.006	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.009	0.004	0	0	0	0	0	---	---	27
28	---	---	0.400B	0.009	0.005	0	0	0	0	0	---	---	28
29	---		1.79 B	0.007	0.004	0	0	0	0	0	---	---	29
30	---		1.53 B	0.007	0.002	0	0	0	0	0	---	---	30
31	---		0.840B		0		0	0		0		---	31
TOTAL	---	---	4.560	8.541	0.171	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.147	0.285	0.006	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.79	1.96	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.006	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 1.96 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
206B AT 00:00 MST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 112 50 27 W
DRAINAGE AREA, 129 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	394	SEP	0
APR	738	OCT	0
MAY	14.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 150 dam³

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	7.35	1.44	0.010E	0.526	0.640	0.305	---	---	1
2	---	---	---	---	7.42	1.25	0.058E	0.538	0.635	0.269	---	---	2
3	---	---	---	---	7.42	1.02	0.342E	0.551	0.622	0.395	---	---	3
4	---	---	---	---	7.53	0.687	2.11 E	0.563	0.633	0.561	---	---	4
5	---	---	---	---	7.50	0.830	2.77 E	0.566	0.712	0.577	---	---	5
6	---	---	---	---	6.60	0.971	0.835A	0.552	0.720	0.542	---	---	6
7	---	---	---	---	6.28	0.867	0.765	0.537	0.739	0.475	---	---	7
8	---	---	---	---	6.08	0.691	0.830	0.520	0.739	0.390	---	---	8
9	---	---	---	---	5.85	0.515	0.834	0.496	0.700	0.394	---	---	9
10	---	---	---	---	5.61	0.387	0.790	0.467	0.873	0.403	---	---	10
11	---	---	---	---	5.36	0.300	0.754	0.465	0.865	0.418	---	---	11
12	---	---	---	---	5.15	0.226	0.700	0.494	0.867	0.431	---	---	12
13	---	---	---	---	4.93	0.197	0.710	0.500	0.883	0.436	---	---	13
14	---	---	---	0.208B	4.54	0.142	0.730	0.528	0.900	0.396	---	---	14
15	---	---	---	---	4.21	0.091	0.768	0.558	0.911	0.380	---	---	15
16	---	---	---	0.029B	3.95	0.064	0.779	0.580	0.867	0.358	---	---	16
17	---	---	---	0.017B	3.66	0.050	0.784	0.598	0.831	0.315	---	---	17
18	---	---	---	---	3.45	0.037	0.773	0.602	0.839	0.296	---	---	18
19	---	---	---	---	3.39	0.016	0.756	0.599	0.840	0.277	---	---	19
20	---	---	---	---	3.14	0.014E	0.779	0.606	0.881	0.258	---	---	20
21	---	---	---	0.018B	2.93	0.010E	0.838	0.608	0.951	0.248	---	---	21
22	---	---	---	---	2.72	0.010E	0.866	0.603	0.886	0.229	---	---	22
23	---	---	---	0.026B	2.60	0.011E	0.838	0.583	0.522	0.226B	---	---	23
24	---	---	---	---	2.83	0.014E	0.790	0.565	0.509	0.222B	---	---	24
25	---	---	---	4.78	2.28	0.018E	0.768	0.596	0.508	0.219B	---	---	25
26	---	---	---	5.62	2.16	0.024	0.705	0.608	0.498	0.215B	---	---	26
27	---	---	---	6.36	2.06	0.050	0.554	0.600	0.502	0.212B	---	---	27
28	---	---	---	6.84	1.95	0.070A	0.535	0.630	0.464	0.208B	---	---	28
29	---		---	7.17	1.83	0.030E	0.525	0.628	0.411	0.205B	---	---	29
30	---		---	7.20	1.73	0.015E	0.508	0.643	0.354	0.202B	---	---	30
31	---		---		1.60		0.517	0.655		0.198B		---	31
TOTAL	---	---	---	---	133.71	10.047	24.321	17.565	21.352	10.256	---	---	TOTAL
MEAN	---	---	---	---	4.31	0.335	0.785	0.567	0.712	0.331	---	---	MEAN
MAX	---	---	---	---	7.53	1.44	2.77	0.655	0.951	0.577	---	---	MAX
MIN	---	---	---	---	1.60	0.010	0.010	0.465	0.354	0.198	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.53 ON MAY 4

MAXIMUM INSTANTANEOUS,
8.46 AT 12:53 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 28 50 N
LONG 113 06 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 100
FEB	---	AUG	1 520
MAR	---	SEP	1 840
APR	---	OCT	886
MAY	11 600	NOV	---
JUN	868	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1 910	1 480	865	911	1 250	1 560	---	---	1
2	---	---	---	---	1 610	1 790	946	941	1 180	1 630	---	---	2
3	---	---	---	---	1 640	2 040	871	899	1 380	1 700	---	---	3
4	---	---	---	---	1 610	2 050	884	1 230	1 370	1 820	---	---	4
5	---	---	---	---	1 570	2 000	951	1 620	1 130	1 800	---	---	5
6	---	---	---	---	1 540	2 070	1 170	1 380	1 010	1 800	---	---	6
7	---	---	---	---	1 550	2 010	1 280	1 170	978	1 790	---	---	7
8	---	---	---	---	1 560	1 740	1 260	1 040	942	1 790	---	---	8
9	---	---	---	---	1 660	1 530	1 220	972	1 320	1 900	---	---	9
10	---	---	---	---	1 660	1 480	1 090	898	1 560	1 810	---	---	10
11	---	---	---	---	1 850	1 540	1 030	837	1 810	1 890	---	---	11
12	---	---	---	---	2 250	1 620	1 010	961	1 760	1 860	---	---	12
13	---	---	---	---	2 310	1 680	909	909	1 420	1 860	---	---	13
14	---	---	---	---	2 490	1 720	844	925	1 480	1 590	---	---	14
15	---	---	---	---	2 450	1 730	837	1 090	1 340	1 280	---	---	15
16	---	---	---	---	2 170	1 800	2 470	722	1 230	1 820	---	---	16
17	---	---	---	---	2 120	1 680	2 860	871	1 320	1 320	---	---	17
18	---	---	---	---	2 290	1 865	2 110	1 190	1 570	1 300	---	---	18
19	---	---	---	---	2 390	1 430	1 570	1 510	1 510	1 220	---	---	19
20	---	---	---	---	2 880	1 460	1 320	1 750	1 460	1 430	---	---	20
21	---	---	---	---	2 570	1 380	1 180	1 680	1 330A	1 520	---	---	21
22	---	---	---	---	2 100	1 330	1 090	1 620	1 350E	1 410	---	---	22
23	---	---	---	---	1 820	1 320	1 150	1 650	1 220E	1 260	---	---	23
24	---	---	---	---	1 590	1 200	1 640	1 700	1 130E	1 220	---	---	24
25	---	---	---	---	1 490	1 050	1 470	1 770	1 190E	1 150	---	---	25
26	---	---	---	---	1 470	986	1 270	1 740	1 360E	1 128A	---	---	26
27	---	---	---	1 800	1 580	943	1 140	1 690	1 400E	1 230E	---	---	27
28	---	---	---	1 880	1 530	910	1 050	1 700	1 450E	1 130E	---	---	28
29	---		---	1 890	1 420	918	956	1 780	1 230A	1 170E	---	---	29
30	---		---	1 940	1 260A	883	925	1 780	1 260	1 260E	---	---	30
31	---		---		1 200E		853	1 750		1 170E		---	31
TOTAL	---	---	---	---	57 460	45 230	38 221	40 689	39 940	46 319	---	---	TOTAL
MEAN	---	---	---	---	1 850	1 510	1 230	1 310	1 330	1 490	---	---	MEAN
MAX	---	---	---	---	2 880	2 070	2 860	1 780	1 810	1 900	---	---	MAX
MIN	---	---	---	---	1 200	883	837	722	942	1 120	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 460
MAXIMUM DAILY, 2 860 ON JUL 17
MINIMUM DAILY, 722 ON AUG 16
MAXIMUM INSTANTANEOUS,
3 220 AT 21:00 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 09 N
LONG 118 36 19 W
DRAINAGE AREA, 130 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 300 000
FEB	---	AUG	3 520 000
MAR	---	SEP	3 450 000
APR	---	OCT	4 000 000
MAY	4 960 000	NOV	---
JUN	3 910 000	DEC	---

TOTAL DISCHARGE, 23 100 000 dam³

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	7.201E	---	---	3.955	---	---	---	---	1
2	---	---	---	---	7.116A	---	---	3.863	---	---	---	---	2
3	---	---	---	---	7.031E	---	---	3.837	---	---	---	---	3
4	---	---	---	---	6.947E	---	---	3.804	---	---	---	---	4
5	---	---	---	---	6.862A	---	---	4.398	---	---	---	---	5
6	---	---	---	---	6.850	---	---	5.843	---	4.018A	---	---	6
7	---	---	---	---	6.800	---	---	6.270	---	4.071	---	---	7
8	---	---	---	---	6.538	---	---	6.040	---	4.095	---	---	8
9	---	---	---	---	---	---	4.374	---	---	4.096	---	---	9
10	---	---	---	---	---	---	4.648	---	---	4.088	---	---	10
11	---	---	---	---	---	---	---	---	---	4.074	---	---	11
12	---	---	---	---	---	---	---	---	---	4.082	---	---	12
13	---	---	---	---	---	---	---	---	---	4.079	---	---	13
14	---	---	---	---	---	---	---	---	---	4.069	---	---	14
15	---	---	---	---	---	---	---	---	---	4.062	---	---	15
16	---	---	---	---	---	---	---	---	---	4.089	---	---	16
17	---	---	---	---	---	---	---	---	---	3.992	---	---	17
18	---	---	---	---	---	---	6.713A	---	---	3.785	---	---	18
19	---	---	---	---	---	---	7.877A	---	---	3.692	---	---	19
20	---	---	---	---	5.530A	---	7.223E	---	---	3.658	---	---	20
21	---	---	---	---	5.616	---	6.570E	---	---	3.574	---	---	21
22	---	---	---	---	5.747	---	5.816A	---	---	3.518	---	---	22
23	---	---	---	---	5.819	4.466A	5.262E	---	---	3.567	---	---	23
24	---	---	---	---	5.644	4.461	4.609E	---	---	3.655	---	---	24
25	---	---	---	---	5.398	4.457	4.418E	4.269A	---	3.679	---	---	25
26	---	---	---	---	5.198	4.433	4.345E	---	---	3.590	---	---	26
27	---	---	---	---	5.015	4.322	4.430E	---	---	3.509	---	---	27
28	---	---	---	---	---	---	4.580E	---	---	3.446	---	---	28
29	---		---	---	---	---	4.390A	---	---	3.333A	---	---	29
30	---		---	---	---	---	4.254	---	---	3.450E	---	---	30
31	---		---		---		4.090	---		3.400E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 7.877A ON JUL 19

MAXIMUM INSTANTANEOUS,
8.002 AT 07:00 MST ON JUL 19

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 243.508 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 15 N
LONG 116 02 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
223 000 km²

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 400B	1 530B	1 400B	1 080B	1 700B	2 960	2 020	2 030	2 080	1 530	1 380B	1 180B	1
2	1 320B	1 570B	1 360B	1 100B	1 970B	2 890	1 870	1 880	2 090	1 550	1 340B	1 290B	2
3	1 250B	1 600B	1 310B	1 030B	2 280B	2 720	1 780	1 760	2 110	1 610	1 330B	1 410B	3
4	1 210B	1 610B	1 250B	1 120B	2 720B	2 500	1 720	1 650	2 110	1 630	1 360B	1 510B	4
5	1 190B	1 620B	1 170B	1 140B	3 070B	2 350	1 720	1 570	2 100	1 620	1 350B	1 630B	5
6	1 180B	1 610B	1 110B	1 190B	3 320B	2 370	1 710	1 530	1 990	1 650	1 320B	1 730B	6
7	1 200B	1 600B	1 070B	1 240B	3 640B	2 580	1 700	1 860	1 850	1 730	1 240B	1 780B	7
8	1 220B	1 620B	1 030B	1 290B	4 000B	2 900	1 690	3 200	1 760	1 820	1 060B	1 790B	8
9	1 230B	1 640B	997B	1 300B	3 990B	3 180	1 700	4 100	1 730	1 910	1 070B	1 750B	9
10	1 250B	1 670B	987B	1 300B	4 040B	3 320	1 780	4 220	1 710	1 970	1 130B	1 680B	10
11	1 280B	1 700B	983B	1 300B	3 840B	3 370	2 050	3 880	1 640	1 990	1 180B	1 630B	11
12	1 310B	1 710B	975B	1 290B	3 830B	3 290	2 450	3 370	1 570	1 990	1 240B	1 470B	12
13	1 320B	1 720B	957B	1 290B	3 710B	3 100	2 660	2 860	1 530	1 990	1 370B	1 350B	13
14	1 300B	1 710B	938B	1 280B	3 600B	2 830	2 620	2 430	1 540	1 980	1 150B	1 390B	14
15	1 280B	1 690B	932B	1 280B	3 550B	2 610	2 390	2 090	1 680	1 980	1 080B	1 100B	15
16	1 270B	1 670B	924B	1 280B	3 500B	2 510	2 160	1 860	1 960	1 990	1 130B	1 040B	16
17	1 280B	1 650B	928B	1 280B	3 590B	2 560	1 980	1 720	2 150	1 990	1 110B	1 050B	17
18	1 310B	1 630B	923B	1 280B	3 690B	2 680	1 830	1 650	2 180	2 030	1 100B	1 130B	18
19	1 350B	1 610B	916B	1 280B	3 940B	2 830	1 930	1 590	2 040	2 010	1 080B	1 240B	19
20	1 370B	1 590B	920B	1 290B	4 070	2 960	4 850	1 560	1 940	1 880	1 100B	1 330B	20
21	1 360B	1 570B	925B	1 290B	4 060	3 030	6 900	1 510	1 840	1 760	1 230B	1 360B	21
22	1 350B	1 550B	922B	1 300B	4 060	2 990	6 550	1 470	1 760	1 680	1 190B	1 360B	22
23	1 360B	1 530B	925B	1 290B	4 140	2 840	5 460	1 560	1 760	1 610	1 150B	1 360B	23
24	1 370B	1 510B	921B	1 270B	4 300	2 650	4 600	1 780	1 780	1 560	1 130B	1 370B	24
25	1 380B	1 490B	921B	1 250B	4 380	2 510	3 890	1 980	1 780	1 550	1 120B	1 380B	25
26	1 390B	1 470B	933B	1 240B	4 240	2 450	3 290	2 080	1 770	1 580	1 120B	1 390B	26
27	1 410B	1 450B	984B	1 240B	4 000	2 430	2 790	2 090	1 730	1 620	1 090B	1 380B	27
28	1 430B	1 430B	1 020B	1 260B	3 690	2 410	2 490	2 050	1 660	1 620	1 050B	1 370B	28
29	1 460B		1 040B	1 350B	3 390	2 340	2 300	2 050	1 580	1 550E	1 040B	1 350B	29
30	1 480B		1 040B	1 650B	3 140	2 190	2 140	2 080	1 530	1 490E	1 090B	1 320B	30
31	1 500B		1 070B		2 990		2 200	2 090		1 420E		1 280B	31
TOTAL	41 810	44 750	31 781	37 780	110 440	82 350	85 510	67 550	54 910	54 290	35 330	43 400	TOTAL
MEAN	1 320	1 600	1 030	1 260	3 560	2 750	2 760	2 180	1 830	1 750	1 180	1 400	MEAN
MAX	1 500	1 720	1 400	1 650	4 380	3 370	6 900	4 220	2 150	2 030	1 380	1 790	MAX
MIN	1 180	1 430	916	1 030	1 700	2 190	1 690	1 470	1 530	1 420	1 040	1 040	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 890
MAXIMUM DAILY, 6 900 ON JUL 21
MINIMUM DAILY, 916B ON MAR 19
MAXIMUM INSTANTANEOUS,
7 150 AT 17:55 MST ON JUL 21

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 06 50 N
LONG 112 25 35 W
DRAINAGE AREA, 291 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 540 000	JUL	7 350 000
FEB	3 870 000	AUG	5 840 000
MAR	2 750 000	SEP	4 740 000
APR	3 260 000	OCT	4 690 000
MAY	9 540 000	NOV	3 050 000
JUN	7 130 000	DEC	3 750 000

TOTAL DISCHARGE, 59 580 000 dam³

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 850B	1 940B	1 160B	1 480B	2 220B	2 140	1 520	1 630	1 870	1 650	1 100	1 810	1
2	1 900B	1 270B	1 240B	1 420B	2 090B	2 550	1 530	1 510	1 580	1 910	985	1 710	2
3	1 870B	1 550B	1 140B	1 440B	2 010B	3 090	1 560	3 160	1 590	1 920	1 320	1 810	3
4	1 100B	1 600B	1 020B	1 480B	2 130	3 250	1 550	5 730	1 790	2 000	1 350	1 700	4
5	1 200B	1 850B	1 010B	1 490B	2 240	3 370A	1 760	5 330	1 640	2 070	1 360	1 590	5
6	1 300B	1 910B	1 000B	1 540B	2 860	3 260E	2 270	4 190	1 400	2 040	1 220	1 250	6
7	1 600B	1 850B	1 050B	1 570B	1 870	3 140A	2 880	3 180	1 410	2 010	1 350	1 330B	7
8	1 800B	1 800B	1 100B	1 630B	2 090	2 830	2 750	2 530	1 350	1 990	1 140	1 450B	8
9	2 000B	1 740B	1 130B	1 630B	2 390	2 440	2 540	2 120	1 480	2 040	1 250	1 690B	9
10	1 980B	1 800B	1 090B	1 640B	2 460	3 240	2 150	1 860	1 860	2 030	1 490	1 760B	10
11	2 080B	1 850B	1 080B	1 750B	2 470	2 280	1 870	1 670	2 350	2 020	1 510	1 820B	11
12	1 950B	2 040B	1 070B	1 730B	3 000	2 520	1 710	1 610	2 560	2 010	1 610	1 800B	12
13	2 020B	2 010B	1 120B	1 730B	3 240	2 700	1 520	1 640	2 170	2 030	1 470	1 790B	13
14	2 040B	1 980B	1 150B	1 790B	3 460	2 840A	1 380	1 440	1 930	1 990	1 530	1 660B	14
15	1 950B	1 940B	1 120B	1 760B	3 490	2 950A	1 360	1 640	1 960	1 500	1 640	1 610B	15
16	1 930B	1 910B	1 080B	1 740B	3 360	3 030	6 240	1 400	1 650	1 500	1 670	1 580B	16
17	1 940B	1 890B	1 090B	1 720B	3 280	2 960	10 800	1 220	1 620	1 570	1 640	1 770B	17
18	1 970B	1 950B	1 090B	1 620B	3 370A	2 570	6 380	1 850	1 780	1 410	1 670	1 780B	18
19	1 950B	2 000B	1 200B	1 640B	3 500A	2 410	4 460	2 190	1 830	1 320	1 640	1 650B	19
20	1 950B	1 880B	1 330B	1 610B	3 870A	2 430	3 580	2 320	1 840	1 460	1 650	1 630B	20
21	1 970B	1 680B	1 340B	1 670B	3 970	2 380	2 980	2 400	1 660	1 610	1 580	1 630B	21
22	1 980B	1 500B	1 280B	1 780B	3 350	2 390	2 540	2 160	1 670	1 670	1 770	1 620B	22
23	1 950B	1 400B	1 280B	1 810B	3 080	2 370	2 310	2 130	1 530	1 390	2 100	1 690B	23
24	2 000B	1 300B	1 350B	1 900B	2 810	2 260	2 570	2 150	1 320	1 400	2 330	1 580B	24
25	1 950B	1 250B	1 300B	2 020B	2 570	1 940	2 620	2 170	1 340	1 320	2 230	1 580B	25
26	1 940B	1 320B	1 230B	1 860B	2 430	1 720	2 270	2 180	1 580	1 210	1 850	1 620B	26
27	1 960B	1 350B	1 170B	1 950B	2 770	1 600	2 030	2 170	1 580	1 370	1 900	1 570B	27
28	1 990B	1 270B	1 170B	2 050B	2 620	1 520	1 810	2 180	1 620	1 260	1 920	1 540B	28
29	1 950B		1 300B	2 120B	2 370	1 540	1 660	2 200	1 660	1 270	1 820	1 390B	29
30	1 840B		1 450B	2 170B	2 070	1 660	1 530	2 230	1 380	1 260	1 820	1 490B	30
31	1 860B		1 530B		1 970		1 450	2 210		1 310		1 510B	31
TOTAL	57 610	47 670	36 670	51 710	84 610	74 380	83 500	72 200	51 020	51 540	47 915	50 410	TOTAL
MEAN	1 860	1 700	1 180	1 720	2 730	2 480	2 690	2 330	1 700	1 660	1 600	1 630	MEAN
MAX	2 080	2 040	1 530	2 170	3 970	3 370	10 800	5 730	2 560	2 070	2 330	1 820	MAX
MIN	1 100	1 250	1 000	1 420	1 870	1 520	1 360	1 220	1 320	1 210	985	1 250	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 940
MAXIMUM DAILY, 10 800 ON JUL 17
MINIMUM DAILY, 985 ON NOV 2
MAXIMUM INSTANTANEOUS,
12 200 AT 07:30 MST ON JUL 17

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 41 N
LONG 117 18 46 W
DRAINAGE AREA, 186 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 980 000	JUL	7 210 000
FEB	4 120 000	AUG	6 240 000
MAR	3 170 000	SEP	4 410 000
APR	4 470 000	OCT	4 450 000
MAY	7 310 000	NOV	4 140 000
JUN	6 430 000	DEC	4 360 000

TOTAL DISCHARGE, 61 300 000 dam³

PEACE RIVER BELOW CHEMAL DES QUATRE FOURCHES - STATION NO. 07EC005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	207.811	206.613	208.072	208.392	207.781	208.101	207.881	207.173	206.826	---	1
2	---	207.898	207.508	206.642	208.431	208.335	207.593	208.046	207.981	207.185	206.695	---	2
3	---	---	207.402	206.633	208.743	208.258	207.486	207.930	207.915	207.219	206.612	---	3
4	---	---	207.266	206.608	209.118	208.216	207.495	207.741	207.985	207.262	206.587	---	4
5	---	207.916	207.122	206.591	209.518	208.030	207.393	207.518	207.867	207.238	206.612	---	5
6	207.959	207.938	206.972	206.600	---	207.941	207.321	207.411	207.851	207.225	206.803	---	6
7	---	207.956	206.865	206.671	---	207.966	207.269	207.395	207.696	207.296	206.875	---	7
8	---	207.970	206.782	206.764	---	208.133	207.284	207.962	207.510	207.392	206.869	---	8
9	---	208.018	206.723	206.833	---	208.325	207.185	208.796	207.483	207.464	206.753	---	9
10	---	208.053	206.651	206.883	---	208.467	207.228	209.103	207.523	207.557	206.603	---	10
11	---	208.069	206.623	206.912	---	208.557	207.397	209.097	207.383	207.576	206.595	---	11
12	---	208.078	206.589	206.921	---	208.598	207.701	208.922	207.310	207.593	206.816	---	12
13	---	208.112	206.565	206.932	---	208.555	207.958	208.689	207.288	207.623	207.202	---	13
14	---	208.140	206.535	206.981	---	208.411	208.123	208.488	207.158	207.657	207.524	---	14
15	---	208.144	206.503	207.013	---	208.217	208.115	208.192	207.216	207.660	207.654	208.008	15
16	---	208.146	206.464	207.024	---	208.084	207.990	207.974	207.842	207.682	---	207.999	16
17	---	208.124	206.444	207.040	---	208.045	207.883	207.774	207.784	207.665	---	207.794	17
18	---	208.103	206.439	207.041	---	208.059	207.896	207.685	207.823	207.683	---	207.763	18
19	---	208.115	206.431	207.052	---	208.126	207.921	207.453	207.816	207.591	---	207.818	19
20	---	208.142	206.417	207.045	---	208.264	208.104	207.385	207.742	207.548	---	207.907	20
21	---	208.133	206.405	207.076	---	208.359	208.671	207.367	207.653	207.491	---	207.997	21
22	---	208.117	206.397	207.195	---	208.344	208.987	207.388	207.564	207.410	---	208.036	22
23	---	208.081	206.392	207.235	---	208.287	208.788	207.271	207.491	207.266	---	208.062	23
24	---	208.034	206.380	207.254	---	208.177	208.495	207.371	207.480	207.160	---	208.054	24
25	---	207.974	206.359	207.256	---	208.055	208.180	207.571	207.910	207.126	---	208.052	25
26	---	207.949	206.365	207.269	---	207.981	208.938	207.767	207.493	207.123	---	208.050	26
27	---	207.948	206.406	207.314	---	207.954	208.689	207.880	207.488	207.128	---	208.041	27
28	---	207.984	206.453	207.430	---	207.954	208.414	207.981	207.453	207.147	---	208.027	28
29	---		206.514	207.554	---	207.944	208.288	207.986	207.378	207.050	---	207.913	29
30	---		206.555	207.786	---	207.822	208.178	207.896	207.244	207.028	---	207.889	30
31	---		206.575		208.458		208.122	207.887		206.946		207.951	31
MEAN	---	---	206.675	207.066	---	208.195	208.089	207.923	207.573	207.278	---	---	MEAN
MAX	---	---	207.811	207.786	---	208.598	208.987	209.103	207.915	207.665	---	---	MAX
MIN	---	---	206.359	206.591	---	207.822	207.185	207.271	207.158	206.946	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.997 ON JUL 22

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 00 N
LONG 111 35 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PRIGAN CREEK NEAR PARSNEI ROAD - STATION NO. 05AA041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	1.22 B	0.733	5.62	0.004	0	0	0	---	---	1
2	---	0B	0 B	0.8520	0.618	0.62	0.003	0	0	0	---	---	2
3	---	0B	0 B	0.5300	0.562	6.05	0.003	0	0	0	---	---	3
4	---	0B	0 B	0.4160	0.507	4.60	0.001	0	0	0	---	---	4
5	---	0B	0 B	0.2900	0.565	3.02	0.001	0	0	0	---	---	5
6	---	0B	0 B	8.1250	0.661	1.88	0.001	0	0	0	---	---	6
7	---	0B	0 B	8.1570	0.601	1.53	0	0	0	0	---	---	7
8	---	0B	0 B	0.865	0.598	1.16	0	0	0	0	---	---	8
9	---	0B	0 B	0.232	0.545	0.898	0	0	0	0	---	---	9
10	---	0B	0 B	0.881	0.478	0.713	0	0	0	0	---	---	10
11	---	0B	0.0560	3.91	0.350	0.544	0	0	0	0	---	---	11
12	---	0B	1.37 B	11.1	0.259	0.414	0	0	0	0	---	---	12
13	---	0B	1.91 B	19.5	0.209	0.311	0	0	0	0	---	---	13
14	---	0B	2.99 B	22.4	0.163	0.254	0	0	0	0	---	---	14
15	---	0B	2.87 B	18.2	0.131	0.216	0	0	0	0	---	---	15
16	---	0B	1.11 B	5.42	0.125	0.176	0	0	0	0	---	---	16
17	---	0B	0.6350	3.69	0.091	0.144	0	0	0	0	---	---	17
18	---	0B	0.4960	3.37	0.071	0.121	0	0	0	0	---	---	18
19	---	0B	0.2530	2.81	0.131	0.104	0	0	0	0	---	---	19
20	---	0B	0.1530	1.43	0.193	0.078	0	0	0	0	---	---	20
21	---	0B	0.1320	1.09	0.276	0.056	0	0	0	0	---	---	21
22	---	0B	0.0410	1.55	0.251	0.636	0	0	0	0	---	---	22
23	---	0B	0.0230	3.30	0.225	0.023	0	0	0	0	---	---	23
24	---	0B	0.0150	3.55	0.155	0.019	0	0	0	0	---	---	24
25	---	0B	0.0130	2.43	0.183	0.017	0	0	0	0	---	---	25
26	---	0B	0.0110	1.34	0.884	0.814	0	0	0	0	---	---	26
27	---	0B	0.0150	0.942	0.187	0.009	0	0	0	0	---	---	27
28	---	0B	0.3090	0.863	0.115	0.007	0	0	0	0	---	---	28
29	---		2.68 B	0.825	0.583	0.006	0	0	0	0	---	---	29
30	---		4.08 B	0.774	1.33	0.005	0	0	0	0	---	---	30
31	---		3.63 B		1.06		0			0		---	31
TOTAL	---	0	21.889	184.396	13.756	36.710	0.013	0	0	0	---	---	TOTAL
MEAN	---	0	0.706	3.48	0.411	1.22	0	0	0	0	---	---	MEAN
MAX	---	0	4.08	22.4	1.06	0.62	0.004	0	0	0	---	---	MAX
MIN	---	0	0	0.865	0.071	0.005	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.717
MAXIMUM DAILY, 22.4 ON APR 14
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
28.8 AT 07:44 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 50 N
LONG 110 56 30 W
DRAINAGE AREA, 438 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.13
FEB	0	AUG	0
MAR	1 880	SEP	0
APR	9 020	OCT	0
MAY	1 100	NOV	---
JUN	3 170	DEC	---

TOTAL DISCHARGE, 15 200 dam³

PEKISKO CREEK NEAR LODGVIEW - STATION NO. 05BL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0808	1.16	2.38	2.86	0.872	0.876	0.313	---	---	1
2	---	---	0 B	0.0308	1.24	2.58	2.14	0.862	0.844	0.258	---	---	2
3	---	---	0 B	0.0408	1.25	2.84	1.84	0.889	0.832	0.243	---	---	3
4	---	---	0 B	0.0508	0.931	2.84	1.63	0.838	0.858	0.334	---	---	4
5	---	---	0 B	0.0628	0.735	3.34	1.69	0.821	0.181	0.325	---	---	5
6	---	---	0 B	0.0888	0.701	4.30	1.59	0.816	0.183	0.299	---	---	6
7	---	---	0 B	0.1088	0.721	4.63	1.48	0.813	0.894	0.288	---	---	7
8	---	---	0 B	0.1308	0.673	4.88	1.38	0.888	0.873	0.266	---	---	8
9	---	---	0 B	0.1688	0.594	4.65	1.17	0.812	0.862	0.255	---	---	9
10	---	---	0 B	0.2298	0.524	4.77	1.04	0.824	0.853	0.252	---	---	10
11	---	---	0.0018	0.5088	0.569	4.62	0.986	0.828	0.864	0.234	---	---	11
12	---	---	0.0018	0.2588	0.786	3.99	0.821	0.815	0.869	0.214	---	---	12
13	---	---	0.0018	0.6888	0.699	3.44	0.815	0.811	0.893	0.208	---	---	13
14	---	---	0.0018	0.8888	0.787	3.05	0.726	0.816	0.113	0.199	---	---	14
15	---	---	0.0018	0.7888	0.850	2.78	0.687	0.811	0.112	0.196	---	---	15
16	---	---	0.0028	0.7688	0.923	2.68	0.618	0.836	0.106	0.196	---	---	16
17	---	---	0.0048	0.6018	0.942	2.39	0.553	0.817	0.898	0.183	---	---	17
18	---	---	0.0078	0.6398	0.873	2.05	0.527	0.806	0.895	0.187	---	---	18
19	---	---	0.0108	0.4288	1.03	1.84	0.455	0.883	0.877	0.284	---	---	19
20	---	---	0.0138	0.8848	0.959	1.84	0.428	0.883	0.872	0.192	---	---	20
21	---	---	0.0158	0.8588	0.967	1.84	0.416	0.815	0.885	0.198	---	---	21
22	---	---	0.0288	0.8848	0.935	1.68	0.488	0.818	0.883	0.188	---	---	22
23	---	---	0.0188	1.36 B	1.03	1.68	0.341	0.817	0.857	0.179	---	---	23
24	---	---	0.0178	1.17 B	0.991	1.51	0.278	0.828	0.887	0.178	---	---	24
25	---	---	0.0188	1.09 B	1.04	1.88	0.272	0.831	0.836	0.186	---	---	25
26	---	---	0.0388	1.26 B	1.16	1.52	0.358	0.134	0.111	0.188	---	---	26
27	---	---	0.0848	1.33 B	1.58	1.54	0.284	0.162	0.223	0.184	---	---	27
28	---	---	0.1028	1.49	1.66	1.61	0.265	0.131	0.251	0.175A	---	---	28
29	---		0.1288	1.51	1.57	2.05	0.246	0.116	0.283	0.1758	---	---	29
30	---		0.1318	1.38	1.66	2.93	0.182	0.182	0.264	0.1758	---	---	30
31	---		0.1358		1.81		0.895	0.889		0.1758	---	---	31
TOTAL	---	---	0.727	19.238	31.888	82.57	25.826	1.346	3.376	7.837	---	---	TOTAL
MEAN	---	---	0.033	0.841	1.88	2.75	0.834	0.843	0.112	0.227	---	---	MEAN
MAX	---	---	0.135	1.51	1.81	4.77	2.86	0.162	0.283	0.388	---	---	MAX
MIN	---	---	0	0.838	0.524	1.84	0.895	0.883	0.832	0.175	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.889
MAXIMUM DAILY, 4.77 ON JUN 10
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.87 AT 06:15 MST ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 35 N
LONG 114 13 35 W
DRAINAGE AREA, 231 km²
A - NATURAL CAUSE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	AUG	2 300
FEB	---	SEP	172
MAR	62.8	OCT	421
APR	1 880	NOV	1880
MAY	2 880	DEC	---
JUN	7 130		

TOTAL DISCHARGE, 16 880 dam³

PEMBINA RIVER AT JARVIS - STATION NO. 07DC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.620	1.07 B	2.000	4.560	212	50.0E	23.0	72.2	35.1	20.4	19.0E	12.0 B	1
2	2.620	1.50 B	2.000	4.560	209	48.1	23.0	66.5E	62.6	23.5E	18.0E	13.0 B	2
3	2.620	1.35 B	2.000	4.040	197	46.0	29.1	63.6	62.3	20.5	16.0E	13.5 B	3
4	2.620	1.17 B	2.000	4.380	186	43.2	62.4	56.9	61.7	31.2	15.5E	11.5 B	4
5	2.050	1.00 B	2.000	4.310	181	39.5	82.9	55.6	39.0E	34.6	15.0E	11.0 B	5
6	2.050	0.9980	2.730	4.250	162	36.7	332	54.7	37.7	37.5	14.5E	10.0 B	6
7	2.050	0.9980	2.970	4.190	146	36.6	415	52.0	35.8	39.2	14.5E	9.000 B	7
8	2.050	0.8980	3.210	4.130	131	34.2	458	54.7	46.0	47.4	15.0E	8.000 B	8
9	2.050	0.8980	3.360	4.060	118	33.3	457	67.4	45.8	51.3	15.0E	8.500 B	9
10	2.050	0.8780	3.510	4.000	100 E	41.1	450 E	66.6	51.7	47.4	13.5E	8.500 B	10
11	2.050	0.8680	3.660	3.940	89.2	64.8	416	66.0	53.5	45.0E	12.0E	8.000 B	11
12	2.050	0.8580	3.810	4.000	87.1	61.9	312	60.0E	52.6	40.9	11.5E	9.000 B	12
13	2.050	0.8480	2.940	4.380	83.5	55.5	250	57.6	44.0	30.0E	11.0E	9.300 B	13
14	2.050	0.8380	4.100	4.700	79.6	53.3	211	59.6	41.1	27.7E	11.0E	9.300 B	14
15	2.050	0.8480	4.250	5.000	79.2	55.7	181	58.5E	37.7	26.5E	11.0E	9.300 B	15
16	2.050	0.8580	4.400	6.000	79.1	53.3	162	58.3	34.7	25.3E	10.5E	9.200 B	16
17	2.050	0.8680	4.550	13.0 B	78.0	45.4	215	58.0	32.7	24.2E	10.0E	9.100 B	17
18	2.050	0.8780	4.700	25.0 B	78.3	42.9	245	57.6	30.9	23.5E	10.0E	9.000 B	18
19	2.050	0.8880	4.850	42.0 B	78.6	39.8	248	58.0	30.1	23.0E	10.5E	9.000 B	19
20	2.050	0.8980	5.000	63.0 B	79.1	36.3	229	57.6	29.7	22.5E	11.0E	8.800 B	20
21	2.000	0.9100	5.150	100 B	80.1	33.3	191	60.3	26.9	22.0E	11.0E	8.500 B	21
22	2.000	1.13 B	5.150	207 B	86.3	31.6	181	59.2	27.5	21.5E	10.5E	8.300 B	22
23	2.000	1.25 B	5.100	285 B	90.9	28.1	166	55.5	26.3	21.0E	10.5E	8.000 B	23
24	2.000	1.38 B	5.050	363 B	85.8	25.5	158	35.0	25.9	20.5E	11.0E	7.900 B	24
25	2.000	1.50 B	5.000	350 B	78.0	24.1	146	33.7	24.1	20.5E	11.0E	7.900 B	25
26	2.000	1.63 B	4.940	210 B	72.5	23.0	136	28.8	23.2	21.0E	11.5E	7.800 B	26
27	2.000	1.75 B	4.880	200 B	69.0	22.8	125	29.6	22.2	21.0E	12.0E	7.750 B	27
28	2.000	1.88 B	4.810	251	64.2	22.2	108	30.6	21.6	21.0E	12.0E	7.700 B	28
29	1.930		4.750	232	60.9	22.2	96.0	31.0	21.1	20.5E	12.2E	7.670 B	29
30	1.840		4.690	224	56.7	22.6	88.9	33.7	20.4	20.5E	12.5E	7.650 B	30
31	1.750		4.630		53.0E		79.8	33.7		20.0E		7.600 B	31
TOTAL	63.39	31.160	123.93	2 613.82	3 252.8	1 172.9	6 267.9	1 329.9	1 036.9	879.1	378.7	283.27	TOTAL
MEAN	2.01	1.11	4.00	93.8	105	39.1	202	42.9	34.6	28.4	12.6	9.14	MEAN
MAX	2.05	1.88	5.15	363	213	64.8	457	72.2	53.5	51.3	19.0	13.0	MAX
MIN	1.75	0.830	2.00	3.94	53.0	22.2	22.0	28.8	20.4	20.0	10.0	7.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 40.3
MAXIMUM DAILY, 457 ON JUL 9
MINIMUM DAILY, 0.8380 ON FEB 14

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 27 05 N
LONG 113 59 30 W
DRAINAGE AREA, 13 100 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 390	JUL	542 000
FEB	2 690	AUG	115 000
MAR	10 700	SEP	89 600
APR	243 000	OCT	75 900
MAY	281 000	NOV	32 700
JUN	101 000	DEC	24 500

TOTAL DISCHARGE, 1 520 000 dam³

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.910	1.060	61.4E	16.0E	30.3	26.2	17.7	24.5	11.7E	---	1
2	---	---	1.910	1.060	64.7E	15.0E	30.3	25.5	15.8	24.6	11.3E	---	2
3	---	---	1.910	1.060	66.1E	14.0E	46.7	24.3	13.8	30.7	---	---	3
4	---	---	1.910	1.060	66.6E	17.0E	198	23.5	13.3	61.1	---	---	4
5	---	---	1.910	1.060	68.9E	30.0E	297	21.1	16.8	61.9	---	---	5
6	---	---	1.910	1.060	36.5E	37.0E	381	19.4	30.8	37.2	---	---	6
7	---	---	1.910	1.060	33.2	35.0E	329	17.2	29.8	33.2	---	---	7
8	---	---	1.910	1.060	33.2	32.0E	261	15.2	26.9	30.3	---	---	8
9	---	---	1.910	1.060	32.7	31.0E	210	13.8	21.5	27.3	---	---	9
10	---	---	1.910	1.060	30.5	31.0E	160	12.9	19.4	26.6	---	---	10
11	---	---	1.880	1.980	27.1	32.0E	125	12.2	17.3	23.1	---	---	11
12	---	---	1.880	1.980	27.6	26.0E	104	13.0	15.8	22.2	---	---	12
13	---	---	1.880	1.980	28.7	24.0E	95.5	12.9	14.8	21.5	---	---	13
14	---	---	1.880	1.960	31.3	22.0E	93.6	12.8	14.5	20.8	---	---	14
15	---	---	1.880	1.960	31.7	20.0E	125	12.6	13.9	19.8	---	---	15
16	---	---	1.880	1.950	32.9	18.5E	155	12.9	13.8	18.9	---	---	16
17	---	---	1.880	1.950	35.3	17.0E	144	14.9	12.3	18.6	---	---	17
18	---	---	1.880	1.950	35.2A	16.0E	130	14.1	11.8	18.2	---	---	18
19	---	---	1.880	1.950	35.0E	15.0E	102	12.8	10.8	16.4	---	---	19
20	---	---	1.880	2.000	37.0E	14.5E	90.1	11.2	10.0	15.2	---	---	20
21	---	---	1.870	2.270	31.0E	14.5E	96.9	10.5	9.07	16.1	---	---	21
22	---	---	1.870	3.260	29.0E	15.5A	96.6	10.7	9.33	16.6	---	---	22
23	---	---	1.870	6.220	28.0E	14.0	83.8	10.6	8.78	16.1	---	---	23
24	---	---	1.870	10.7 B	26.0E	13.6	74.9	10.8	8.67	15.9	---	---	24
25	---	---	1.870	13.1 B	24.0E	15.9	63.8	11.6	8.18	16.0	---	---	25
26	---	---	1.870	21.2 B	22.0E	18.5	54.6	12.6	8.03	15.6	---	---	26
27	---	---	1.870	30.0 B	21.0E	16.6	47.7	14.1	10.7	16.9	---	---	27
28	---	---	1.870	34.6 B	20.0E	18.3	43.0	16.4	16.6	19.2	---	---	28
29	---		1.870	42.1 B	20.0E	20.3	38.7	17.0	20.2	13.0E	---	---	29
30	---		1.870	43.1 B	19.0E	24.6	31.9	16.0	23.2	13.5E	---	---	30
31	---		1.870		17.0E		28.3	15.5		12.1E		---	31
TOTAL	---	---	58.57	266.76	964.9	630.0	3 796.0	480.9	463.36	672.5	---	---	TOTAL
MEAN	---	---	1.89	8.16	31.1	21.0	120	15.5	15.4	21.7	---	---	MEAN
MAX	---	---	1.91	43.1	66.1	35.0	381	26.2	30.8	61.9	---	---	MAX
MIN	---	---	1.87	1.06	17.0	14.0	30.3	10.5	8.18	13.1	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.5
MAXIMUM DAILY, 381 ON JUL 6
MINIMUM DAILY, 1.060 ON JAN 9
[illegible]
266 AT 17:10 HRS ON JUL 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 07 N
LONG 113 30 30 W
DRAINAGE AREA, 2 060 km²

A - PARTIAL RECORD
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	230 000
FEB	---	AUG	51 000
MAR	5 000	SEP	40 000
APR	21 000	OCT	36 100
MAY	83 000	NOV	---
JUN	54 000	DEC	---

TOTAL DISCHARGE, 630 000 dam³

PEMBINA RIVER NEAR WINNIFRED - STATION NO. 07358002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.410	1.510	1.980	2.460	72.8	24.0	37.3	33.6	23.8	23.6	12.9	9.000	1
2	1.430	1.520	1.990	2.410	81.9	22.9	35.1	31.3	22.6	26.2	13.5	9.200	2
3	1.440	1.520	1.990	2.400	72.2	21.0	42.0	29.9	21.0	27.1	11.1	8.700	3
4	1.450	1.530	1.990	2.500	71.5	19.5	198	28.9	19.6	31.8	11.6	8.300	4
5	1.460	1.530	2.000	2.460	67.1	18.8	846	27.5	22.6	46.8	13.3	3.900	5
6	1.480	1.530	2.000	2.480	61.4	19.9	550	25.8	27.5	41.8	11.9	3.600	6
7	1.490	1.530	2.000	2.520	54.5	36.1	546	24.0	26.6	27.5	11.7 B	3.600	7
8	1.500	1.540	2.000	2.530	49.2	53.9	439	22.2	26.3	33.9	9.010	3.500	8
9	1.500	1.540	2.000	2.530	46.3	49.4	341	20.1	31.5	31.1	6.600	3.300	9
10	1.540	1.540	2.060	2.600	44.7	43.9	260	18.6	28.2	28.9	5.010	3.300	10
11	1.570	1.540	2.100	2.630	41.9	43.1	195	18.4	25.9	26.5	6.000	3.500	11
12	1.610	1.540	2.220	2.630	38.-	45.0	152	19.0	23.4	26.7	5.600	3.600	12
13	1.630	1.540	2.200	2.620	38.0	42.2	132	18.3	21.5	23.7	3.600	3.700	13
14	1.640	1.550	2.120	2.640	40.-	36.6	127	18.3	20.0	23.1	2.050	3.800	14
15	1.650	1.580	2.130	2.870	41.5	31.0	176	18.3	19.3	22.3	4.170	3.900	15
16	1.650	1.720	2.130	3.200	42.4	28.8	282	18.1	19.3	21.5	3.980	3.800	16
17	1.640	1.950	2.160	3.610	43.1	26.9	287	18.2	18.2	21.3	4.580	3.600	17
18	1.620	2.350	2.060	3.880	46.0	24.3	181	20.1	17.3	20.7	7.000	3.500	18
19	1.610	2.430	2.020	4.540	48.5	22.1	148	19.1	16.6	20.1	7.100	3.500	19
20	1.600	2.400	2.010	5.070	53.9	20.1	131	17.9	15.6	19.1	6.980	3.200	20
21	1.590	2.380	2.040	18.4 B	56.4	18.4	125	16.6	14.7	17.3	6.600	3.000	21
22	1.570	2.360	2.080	25.0 B	47.4	17.5	122	15.1	14.0	16.7	6.000	2.800	22
23	1.550	2.360	2.120	34.2 B	41.5	17.4	113	15.1	13.3	16.5	6.100	2.700	23
24	1.540	2.380	2.160	46.0 B	39.2	17.1	103	14.6	13.0	18.1	5.800	2.600	24
25	1.530	2.180	2.120	50.9 B	36.6	17.3	98.6	13.6	12.5	18.0	5.900	2.600	25
26	1.530	2.000	2.120	51.6 B	34.1	18.4	73.8	16.9	12.1	17.9	6.100	2.700	26
27	1.510	1.990	2.200	55.0 B	31.6	17.8	63.2	18.1	12.2	17.6	6.300	2.800	27
28	1.510	1.980	2.200	64.5	30.5	18.6	55.3	19.6	13.2	17.3	6.600	2.900	28
29	1.510		2.310	66.9	29.1	21.3	49.8	21.1	16.6	16.8	6.580	3.100	29
30	1.510		2.340	76.2	28.2	30.4	43.8	22.3	23.3	15.6	6.300	3.200	30
31	1.510		2.390		27.1		37.9	23.5		13.0		3.300	31
TOTAL	47.77	51.22	65.29	550.27	1 455.8	834.8	5 431.6	645.9	610.5	732.5	222.27	108.39	TOTAL
MEAN	1.54	1.83	2.11	18.3	47.0	27.5	175	20.8	20.4	23.6	7.41	3.49	MEAN
MAX	1.65	2.43	2.39	76.2	81.9	53.9	846	73.6	36.8	46.8	13.3	9.00	MAX
MIN	1.41	1.51	1.98	2.40	27.1	17.1	35.1	14.6	12.1	13.0	3.85	2.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.4
MAXIMUM DAILY, 566 ON JUL 7
MINIMUM DAILY, 1.410 ON JAN 1
MAXIMUM INSTANTANEOUS,
593 AT 04:25 MDT ON JUL 7

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 18 N
LONG 119 08 14 W
DRAINAGE AREA, 4 430 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 130	JUL	468 000
FEB	4 430	AUG	55 690
MAR	5 640	SEP	52 760
APR	47 580	OCT	63 300
MAY	126 000	NOV	19 200
JUN	71 300	DEC	9 350

TOTAL DISCHARGE, 928 000 dam³

PIGEON LAKE AT GRANDVIEW - STATION NO. 05PA013

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	850.093	---	850.349	850.345	850.251	850.403	850.387	---	850.179	---	1
2	---	---	---	---	850.350	850.326	850.247	850.399	850.383	850.237	850.177	---	2
3	---	---	---	---	850.345	850.324	850.305	850.393	850.381	850.247	850.179	---	3
4	---	---	---	---	850.343	850.312	850.488	850.403	850.385	850.249	---	---	4
5	---	---	---	---	850.343	850.312	850.672	850.363	850.381	850.249	---	---	5
6	---	---	---	---	850.351	850.304	850.606	850.364	850.389	850.245	---	---	6
7	---	---	---	---	850.347	850.306	850.648	850.383	850.381	850.243	---	---	7
8	---	---	---	---	850.345	850.304	850.648	-----	850.383	850.239	---	---	8
9	---	---	---	---	850.343	850.302	850.604	850.354	850.399	850.239	---	---	9
10	---	---	---	---	850.339	850.300	850.642	850.353	850.391	850.237	---	---	10
11	---	---	---	---	850.329	850.303	850.604	850.342	850.389	850.235	---	---	11
12	---	---	---	---	850.331	850.302	850.638	850.344	850.385	850.225	---	---	12
13	---	---	---	---	850.329	850.302	850.628	850.340	850.377	850.233	---	---	13
14	---	---	---	---	850.331	850.304	850.634	850.354	850.375	850.233	---	---	14
15	---	---	---	---	850.331	850.306	850.632	850.350	850.379	---	---	---	15
16	---	---	---	---	850.329	850.304	850.634	850.340	850.369	850.219	---	---	16
17	---	---	---	---	850.329	850.276	850.632	850.348	850.363	---	---	---	17
18	---	---	---	---	850.353	850.261	850.628	850.334	850.359	850.219	---	---	18
19	---	---	---	---	850.349	850.263	850.614	850.334	850.361	850.219	---	---	19
20	---	---	---	---	850.351	850.261	850.614	850.328	850.357	850.215	---	---	20
21	---	---	---	---	850.349	850.261	850.611	850.318	850.355	850.209	---	---	21
22	---	---	---	---	850.347	850.263	850.621	850.315	850.355	850.203	---	---	22
23	---	---	---	---	850.350	850.261	850.623	850.313	850.353	850.199	---	---	23
24	---	---	---	---	850.349	850.267	850.621	850.317	850.353	850.199	---	---	24
25	---	---	---	---	850.357	850.267	850.611	850.327	850.353	850.201	---	---	25
26	---	---	---	---	850.355	850.259	850.634	850.313	850.353	850.203	---	---	26
27	---	---	---	---	850.351	850.253	850.613	850.363	850.349	850.179	---	---	27
28	---	---	---	---	850.351	850.265	850.613	850.363	850.357	---	---	---	28
29	---	---	---	---	850.348	850.257	850.611	850.361	850.357	850.177	---	---	29
30	---	---	---	---	850.361	850.257	850.609	850.361	850.355	850.179	---	---	30
31	---	---	---	---	850.359		850.605	850.361		850.181		---	31
MEAN	---	---	---	---	850.344	850.286	850.618	---	850.374	---	---	---	MEAN
MAX	---	---	---	---	850.359	850.304	850.648	---	850.389	---	---	---	MAX
MIN	---	---	---	---	850.329	850.253	850.605	---	850.349	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 850.480 ON JUL 6

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 15 N
LONG 114 03 16 W

NATURAL FLOW

WATER LEVELS ARE REFERENCED TO APPROXIMATE GEODETIC DATUM OF CANADA DATUM

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.038B	0.047B	1.36	2.10	1.39	2.09	1.71	0.038	1.23	---	1
2	---	---	0.038B	0.047B	1.75	2.02	1.50	2.06	1.53	0.022	---	---	2
3	---	---	0.038B	0.047B	1.63	2.01	2.31	2.02	1.46	0.101	---	---	3
4	---	---	0.038B	0.047B	1.31	1.99	3.67	1.96	1.50	0.360	---	---	4
5	---	---	0.038B	0.047B	1.16	2.07	4.93	1.89	1.73	0.371	---	---	5
6	---	---	0.039B	0.049B	1.08	2.11	6.27	1.82	1.74	1.93	---	---	6
7	---	---	0.039B	0.049B	1.10	1.97	6.87	1.76	1.69	2.10	---	---	7
8	---	---	0.039B	0.049B	2.16	1.98	6.17	1.72	1.63	2.09	---	---	8
9	---	---	0.039B	0.049B	2.41	1.89	5.32	1.68	1.60	2.00	---	---	9
10	---	---	0.039B	0.049B	2.30	1.84	4.47	1.63	1.64	1.98	---	---	10
11	---	---	0.041B	0.050B	2.35	1.80	3.85	1.65	1.61	1.97	---	---	11
12	---	---	0.041B	0.050B	2.32	1.78	3.43	1.76	1.53	1.96	---	---	12
13	---	---	0.041B	0.050B	2.30	1.76	3.24	2.12	1.45	1.96	---	---	13
14	---	---	0.041B	0.050B	2.25	1.73	3.03	2.38	1.35	1.94	---	---	14
15	---	---	0.041B	0.158B	2.29	1.73	2.93	2.11	1.30	1.80	---	---	15
16	---	---	0.042B	0.456B	2.35	1.69	2.86	1.66	1.33	1.58	---	---	16
17	---	---	0.042B	0.729B	2.32	1.64	2.74	1.44	1.28	1.81	---	---	17
18	---	---	0.042B	0.833B	2.38	1.57	2.66	1.50	1.28	1.73	---	---	18
19	---	---	0.042B	2.31 B	2.59	1.53	2.60	1.64	1.24	1.55	---	---	19
20	---	---	0.042B	4.96 B	2.46	1.50	2.61	1.79	1.16	1.49	---	---	20
21	---	---	0.043B	8.59 B	2.41	1.47	2.49	1.70	0.967	1.48	---	---	21
22	---	---	0.043B	10.7 B	2.37	1.51	2.79	1.63	0.528	1.49	---	---	22
23	---	---	0.043B	11.6	2.61	1.52	3.21	1.59	0.365	1.52	---	---	23
24	---	---	0.043B	10.3	2.37	1.77	3.10	1.71	0.113	1.51	---	---	24
25	---	---	0.043B	8.58	2.30	2.03	2.72	1.80	0.065	1.49	---	---	25
26	---	---	0.045B	6.22	2.41	1.99	2.65	1.70	0.057	1.49	---	---	26
27	---	---	0.045B	3.44	2.36	1.97	2.49	1.65	0.048	1.49	---	---	27
28	---	---	0.045B	1.81	2.30	2.01	2.35	1.55	0.053	1.54	---	---	28
29	---		0.045B	1.22	2.23	1.96	2.23	1.51	0.054	1.46	---	---	29
30	---		0.045B	0.941	2.17	1.85	2.17	1.82	0.031	1.60	---	---	30
31	---		0.045B		2.12		2.12	1.97		1.64		---	31
TOTAL	---	---	1.285	73.527	65.50	54.31	101.15	55.39	31.611	45.362	---	---	TOTAL
MEAN	---	---	0.041	2.45	2.11	1.81	3.26	1.79	1.05	1.46	---	---	MEAN
MAX	---	---	0.045	11.6	2.61	2.11	6.87	2.38	1.74	2.10	---	---	MAX
MIN	---	---	0.038	0.047	1.08	1.45	1.39	1.44	0.031	0.022	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.75
MAXIMUM DAILY, 11.6 ON APR 23
MINIMUM DAILY, 0.022 ON OCT 2
MAXIMUM INSTANTANEOUS,
11.7 AT 16:20 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 10 N
LONG 113 53 47 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 740
FEB	---	AUG	4 790
MAR	111	SEP	2 730
APR	6 350	OCT	3 920
MAY	5 660	NOV	---
JUN	4 690	DEC	---

TOTAL DISCHARGE, 37 000 dam³

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.080B	0.205B	1.06	2.55	2.66	0.201	0.054	0.202	0.184	---	1
2	---	---	0.080B	0.200B	1.18	2.67	2.14	0.180	0.046	0.194	0.187	---	2
3	---	---	0.080B	0.190B	1.38	2.97	1.79	0.167	0.040	0.236	0.238A	---	3
4	---	---	0.080B	0.185B	1.05	3.50	1.55	0.164	0.034	0.271	---	---	4
5	---	---	0.080B	0.180B	0.875	3.63	1.45	0.147	0.028	0.285A	---	---	5
6	---	---	0.080B	0.150B	0.826	3.65	1.26	0.103	0.020	0.350B	---	---	6
7	---	---	0.080B	0.130B	0.787	3.87	1.18	0.070	0.017	0.321B	---	---	7
8	---	---	0.080B	0.110B	0.815	3.12	1.03	0.063	0.014	0.281B	---	---	8
9	---	---	0.080B	0.110B	0.859	2.88	0.962	0.114	0.009	0.262B	---	---	9
10	---	---	0.080B	0.110B	0.756	2.86	0.864	0.104	0.007	0.233A	---	---	10
11	---	---	0.100B	0.100B	0.768	2.88	0.780	0.111	0.006	0.224	---	---	11
12	---	---	0.140B	0.700B	0.787	2.92	0.759	0.070	0.026	0.220	---	---	12
13	---	---	0.200B	1.36 B	0.865	3.07	0.719	0.075	0.023	0.196	---	---	13
14	---	---	0.200B	1.26 B	0.972	3.16	1.00	0.051	0.003	0.173	---	---	14
15	---	---	0.200B	1.16 B	1.13	2.97	0.852	0.043	0.051	0.180	---	---	15
16	---	---	0.210B	1.06 B	1.33	2.84	0.792	0.042	0.052	0.205	---	---	16
17	---	---	0.200B	1.00 B	1.20	2.66	0.712	0.030	0.049	0.213	---	---	17
18	---	---	0.160B	0.900B	1.43	2.31	0.633	0.031	0.041	0.224	---	---	18
19	---	---	0.120B	0.800B	1.53	2.21	0.571	0.024	0.039	0.202	---	---	19
20	---	---	0.100B	0.700B	1.36	2.20	0.541	0.023	0.040	0.189	---	---	20
21	---	---	0.080B	0.800B	1.36	2.16	0.500	0.021	0.041	0.186	---	---	21
22	---	---	0.070B	1.20 B	1.55	2.15	0.473	0.021	0.046	0.180	---	---	22
23	---	---	0.080B	2.30 B	1.96	2.15	0.428	0.023	0.044	0.182	---	---	23
24	---	---	0.150B	2.20 B	1.73	1.93	0.419	0.033	0.040	0.217	---	---	24
25	---	---	0.160B	1.11	1.93	1.86	0.386	0.053	0.031	0.219	---	---	25
26	---	---	0.200B	1.13	2.73	2.12	0.360	0.141	0.047	0.212	---	---	26
27	---	---	0.210B	1.15	2.59	2.18	0.386	0.100	0.127	0.200	---	---	27
28	---	---	0.220B	1.32	2.08	2.08	0.307	0.111	0.226	0.195	---	---	28
29	---		0.220B	1.28	2.01	2.90	0.275	0.087	0.272	0.206	---	---	29
30	---		0.215B	1.09	1.93	3.10	0.261	0.091	0.226	0.192	---	---	30
31	---		0.210B		2.31		0.200	0.073		0.177		---	31
TOTAL	---	---	4.400	30.520	43.504	80.97	26.279	2.716	1.737	6.036	---	---	TOTAL
[illegible]	---	---	0.145	1.017	1.41	2.70	0.848	0.088	0.058	0.221	---	---	[illegible]
[illegible]	---	---	0.300	2.30	2.73	3.87	2.66	0.201	0.272	0.350	---	---	[illegible]
[illegible]	---	---	0.070	0.110	0.756	1.86	0.200	0.021	0.006	0.173	---	---	[illegible]

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.700
[illegible] DAILY, 3.87 ON JUN 7
[illegible] DAILY, 0.006 ON SEP 11
[illegible]
4.30 AT 03:30 MST ON JUN 7

TYPE OF GAUGE - [illegible]
LOCATION - LAT 49 29 13 N
LONG 113 56 40 W
DRAINAGE AREA, 155 km²
A - [illegible]
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 270
FEB	---	AUG	235
MAR	380	SEP	150
APR	2 640	OCT	521
MAY	3 760	NOV	---
JUN	7 000	DEC	---

TOTAL DISCHARGE, 16 900 dam³

PINE CREEK NEAR COLEMAN - STATION NO. 07CA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	1.35	0.167	0.021	0.305	0.189	0.033	---	---	1
2	---	---	---	0 B	1.17	0.156	0.038	0.333	0.180	0.024	---	---	2
3	---	---	---	0 B	0.993	0.155	0.092	0.360	0.151	0.019	---	---	3
4	---	---	---	0 B	0.893	0.153	0.150	0.366	0.127	0.030	---	---	4
5	---	---	---	0 B	0.865	0.150	0.204	0.351	0.142	0.020	---	---	5
6	---	---	---	0 B	0.774	0.142	0.242	0.470	0.127	0.025	---	---	6
7	---	---	---	0 B	0.726	0.139	0.300	0.393	0.106	0.048	---	---	7
8	---	---	---	0 B	0.748	0.138	0.163	0.321	0.108	0.030	---	---	8
9	---	---	---	0 B	0.705	0.130	0.109	0.281	0.108	0.030	---	---	9
10	---	---	---	0 B	0.611	0.129	0.168	0.227	0.197	0.022	---	---	10
11	---	---	---	0 B	0.547	0.125	0.200	0.268	0.136	0.018	---	---	11
12	---	---	---	0 B	0.462	0.123	0.211	0.301	0.105	0.016	---	---	12
13	---	---	---	0 B	0.370	0.117	0.181	0.367	0.147	0.076	---	---	13
14	---	---	---	0.164B	0.307	0.113	0.212	0.307	0.140	0.125	---	---	14
15	---	---	---	1.11 B	0.337	0.111	0.059	0.274	0.126	0.054	---	---	15
16	---	---	---	2.24 B	0.328	0.100	0.305	0.255	0.110	0.031	---	---	16
17	---	---	---	2.45 B	0.383	0.101	0.216	0.250	0.095	0.036	---	---	17
18	---	---	---	3.52 B	0.289	0.065	0.184	0.221	0.077	0.019	---	---	18
19	---	---	---	4.14 B	0.285	0.098	0.175	0.178	0.068	0.028	---	---	19
20	---	---	---	5.22 B	0.262	0.010	0.154	0.143	0.068	0.032	---	---	20
21	---	---	---	8.97 B	0.268	0.014	0.135	0.136	0.059	0.031	---	---	21
22	---	---	---	5.46 B	0.276	0.012	1.09	0.130	0.058	0.027	---	---	22
23	---	---	0B	4.98 B	0.262	0.011	1.28	0.108	0.060	0.031	---	---	23
24	---	---	---	4.13 B	0.300	0.011	1.12	0.241	0.034	0.032	---	---	24
25	---	---	---	3.94	0.335	0.009	0.959	0.279	0.035	0.043	---	---	25
26	---	---	---	3.44	0.296	0.008	0.801	0.230	0.035	0.050	---	---	26
27	---	---	---	2.81	0.218	0.013	0.717	0.198	0.038	0.026	---	---	27
28	---	---	---	2.39	0.192	0.010	0.695	0.177	0.027	0.051	---	---	28
29	---		---	1.93	0.187	0.008	0.619	0.172	0.024	0.051B	---	---	29
30	---		---	1.60	0.182	0.014	0.564	0.194	0.024	0.051B	---	---	30
31	---		---		0.176		0.459	0.173		0.051B		---	31
TOTAL	---	---	---	54.484	15.033	2.501	12.896	8.601	2.927	1.099	---	---	TOTAL
MEAN	---	---	---	1.82	0.485	0.083	0.396	0.277	0.098	0.035	---	---	MEAN
MAX	---	---	---	5.46	1.35	0.167	1.28	0.551	0.197	0.125	---	---	MAX
MIN	---	---	---	0	0.176	0.008	0.021	0.130	0.024	0.016	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.452
MAXIMUM DAILY, 5.460 ON APR 22
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
0.01 AT 10:01 MST ON APR 20

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 113 00 00 W

B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 040
FEB	---	AUG	743
MAR	---	SEP	253
APR	4 710	OCT	95.0
MAY	1 300	NOV	---
JUN	216	DEC	---

TOTAL DISCHARGE, 8 360 dam³

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.15 E	0.207	0.0836	1.12	0.7008	0.3908	---	---	1
2	---	---	0B	0.0818	2.82 E	0.172	0.0808	1.02	0.6388	0.2908	---	---	2
3	---	---	0B	0.0858	2.49 E	0.159	0.0868	1.05	0.5908	0.2008	---	---	3
4	---	---	0B	0.0188	2.16 E	0.136	0.0798	1.26	0.5608	0.2708	---	---	4
5	---	---	0B	0.0288	1.82 E	0.123	0.0838	1.02	0.5388	0.3608	---	---	5
6	---	---	0B	0.0388	1.48 E	0.123	0.0908	1.01	0.5008	0.2558	---	---	6
7	---	---	0B	0.0588	1.37 E	0.118A	0.108A	1.38	0.4808	0.2608	---	---	7
8	---	---	0B	0.0708	1.24 E	0.1108	1.01	1.16	0.4708	0.2808	---	---	8
9	---	---	0B	0.1008	1.12 E	0.1058	0.945	1.05	0.4608	0.3008	---	---	9
10	---	---	0B	0.2008	0.991	0.1008	0.927	1.02	0.4608	0.3158	---	---	10
11	---	---	0B	0.3508	0.679	0.0908	0.923	1.13	0.4638	0.3208	---	---	11
12	---	---	0B	0.6008	0.579	0.0758	0.922	1.13	0.4638	0.3458	---	---	12
13	---	---	0B	1.08 B	0.497	0.0708	1.02	1.23	0.4608	0.3508	---	---	13
14	---	---	0B	1.58 B	0.432	0.0658	1.13	1.25	0.4208	0.3508	---	---	14
15	---	---	0B	2.38 B	0.376	0.0558	1.27	1.18	0.4008	0.3458	---	---	15
16	---	---	0B	3.88 B	0.355	0.0538	1.42	1.23	0.4108	0.3358	---	---	16
17	---	---	0B	6.68 B	0.381	0.0508	1.58	1.17	0.4208	0.3308	---	---	17
18	---	---	0B	9.67 B	0.275	0.0508	1.33	1.03	0.4258	0.3008	---	---	18
19	---	---	0B	9.73 B	0.2908	0.0488	1.22	0.9868	0.4208	0.2958	---	---	19
20	---	---	0B	10.2 B	0.304	0.0468	1.18	0.823	0.4008	0.2908	---	---	20
21	---	---	0B	10.7 B	0.262	0.0478	1.25	0.992	0.3908	0.2738	---	---	21
22	---	---	0B	9.88 B	0.251	0.0478	1.43	0.310	0.3858	0.2708	---	---	22
23	---	---	0B	9.07 B	0.306	0.0468	3.13	0.464	0.3858	0.2658	---	---	23
24	---	---	0B	8.35 B	0.367	0.0488	2.95	0.616	0.3608	0.2608	---	---	24
25	---	---	0B	7.63 B	0.406	0.0508	2.37	0.734	0.3708	0.2578	---	---	25
26	---	---	0B	6.53 E	0.581	0.0708	2.05	0.862	0.3658	0.2558	---	---	26
27	---	---	0B	5.63 E	0.581	0.0658	1.75	0.843	0.4008	0.2548	---	---	27
28	---	---	0B	4.72 E	0.611	0.0908	1.58	0.943	0.4308	0.2538	---	---	28
29	---		0B	3.82 E	0.381	0.0958	1.41	0.822	0.3508	0.2528	---	---	29
30	---		0B	3.49 E	0.2968	0.0958	1.31	0.781	0.3388	0.2518	---	---	30
31	---		0B		0.2948		1.23	0.8668		0.2508		---	31
TOTAL	---	---	0	115.726	26.659	2.633	35.878	30.534	13.388	8.897	---	---	TOTAL
MEAN	---	---	0	3.86	0.860	0.088	1.16	0.985	0.446	0.287	---	---	MEAN
MAX	---	---	0	10.7	3.15	0.207	3.13	1.43	0.708	0.396	---	---	MAX
MIN	---	---	0	0	0.294	0.047	0.079	0.310	0.339	0.255	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.954
MAXIMUM DAILY, 10.70 ON APR 21
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 10 N
LONG 113 04 30 W
DRAINAGE AREA, 1 [illegible] km²
A - [illegible]
B - ICE CONDITIONS
E - ESTIMATED
[illegible] PLANT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 100
FEB	---	AUG	817
MAR	[illegible]	SEP	728
APR	10 800	OCT	[illegible]
MAY	3 300	NOV	---
JUN	237	DEC	---

TOTAL DISCHARGE, 20 500 dam³

PINCHTUBE CREEK BELOW SOUSSOUNI CREEK - STATION NO. 05PA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	16.5	2.73	1.80	1.30	0.855	0.165	---	---	1
2	---	---	---	0 B	14.8	2.70	2.00	1.23	0.869	0.188	---	---	2
3	---	---	---	0 B	12.8	2.72	4.92	1.23	0.102	0.207	---	---	3
4	---	---	---	0 B	11.3	2.65	9.27	1.18	0.133	0.260	---	---	4
5	---	---	---	0 B	10.4	2.51	10.6	1.11	0.283	0.261	---	---	5
6	---	---	---	0 B	9.43	2.65	9.68	1.01	0.288	0.230	---	---	6
7	---	---	---	0 B	8.78	2.57	8.66	0.926	0.286	0.228	---	---	7
8	---	---	---	0 B	8.07	2.53	10.7	0.837	0.357	0.261	---	---	8
9	---	---	---	0 B	7.30	2.42	11.3	0.762	0.337	0.198	---	---	9
10	---	---	---	0 B	6.86	2.35	10.6	0.695	0.407	0.184	---	---	10
11	---	---	---	0 B	6.29	2.37	9.63	0.647	0.386	0.198	---	---	11
12	---	---	---	0 B	5.67	2.36	8.26	0.606	0.362	0.225	---	---	12
13	---	---	---	0 B	5.16	2.24	7.05	0.562	0.272	0.249	---	---	13
14	---	---	---	0 B	4.67	2.18	5.95	0.534	0.259	0.223	---	---	14
15	---	---	---	0.0608	4.22	2.04	5.25	0.544	0.266	0.230	---	---	15
16	---	---	---	0.1708	3.88	1.95	4.61	0.455	0.294	0.209	---	---	16
17	---	---	---	0.1008	3.59	1.76	4.13	0.400	0.278	0.259	---	---	17
18	---	---	---	0.1608	3.44	1.68	3.98	0.388	0.267	0.258	---	---	18
19	---	---	---	0.1458	3.46	1.57	3.68	0.388	0.282	0.220	---	---	19
20	---	---	---	0.0288	3.33	1.56	3.16	0.253	0.174	0.208	---	---	20
21	---	---	---	3.35 B	3.17	1.47	3.06	0.238	0.168	0.207	---	---	21
22	---	---	---	16.7 B	3.02	1.58	3.76	0.251	0.161	0.266	---	---	22
23	---	---	---	30.7 B	2.89	1.50	3.38	0.183	0.282	0.267	---	---	23
24	---	---	---	41.2 B	2.88	1.43	2.89	0.110	0.160	0.264	---	---	24
25	---	---	---	41.4 B	2.88	1.48	2.64	0.086	0.125	0.308A	---	---	25
26	---	---	---	38.2	2.88	1.38	2.28	0.148	0.125	0.308E	---	---	26
27	---	---	---	32.1	2.85	1.42	1.96	0.128	0.091	0.308E	---	---	27
28	---	---	---	25.2	2.83	1.51	1.83	0.139	0.081	0.308E	---	---	28
29	---	---	---	21.1	2.79	1.51	1.78	0.107	0.087	0.308E	---	---	29
30	---	---	---	18.3	2.75	1.63	1.65	0.114	0.092	0.308E	---	---	30
31	---		---		2.71		1.52	0.088		0.308E		---	31
TOTAL	---	---	0	369.313	101.61	68.29	161.86	16.535	6.297	7.679	---	---	TOTAL
MEAN	---	---	0	0.98	3.86	2.01	5.22	0.533	0.210	0.248	---	---	MEAN
MAX	---	---	0	41.4	16.5	2.73	11.3	1.30	0.407	0.366	---	---	MAX
MIN	---	---	0	0	2.71	1.38	1.52	0.086	0.055	0.165	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.07
MAXIMUM DAILY, 41.40 CU APR 25
MINIMUM DAILY, 0.0 CU MAR 1
MAXIMUM INSTANTANEOUS,
65.6 AT 13:30 MDT ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 02 25 N
LONG 113 21 54 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 000
FEB	---	AUG	1 630
MAR	0	SEP	544
APR	33 300	OCT	663
MAY	15 700	NOV	---
JUN	5 310	DEC	---

TOTAL DISCHARGE, 68 800 dam³

PIYAMI BRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.462	1.85	0.712	0.388	0.548	0.003A	---	1
2	---	---	---	---	0	0.388	1.57 A	0.704	0.464	0.115	---	---	2
3	---	---	---	---	0	0.303	0.9758	0.798	0.495	0.028	---	---	3
4	---	---	---	---	0	0.254	0.9178	0.773	0.534	0.063	---	---	4
5	---	---	---	---	0	0.513	0.8898	0.970	0.434	0.046	---	---	5
6	---	---	---	---	0	1.16	0.7978	0.703A	0.434	0.070	---	---	6
7	---	---	---	---	0	1.11	0.728A	0.513E	0.456	0.071	---	---	7
8	---	---	---	---	0	0.945	0.602	0.740A	0.384	0.056	---	---	8
9	---	---	---	---	0.001	0.698	0.538	0.968A	0.358	0.055	---	---	9
10	---	---	---	---	0	0.527	0.659	1.15 A	0.347	0.052	---	---	10
11	---	---	---	---	0 A	0.464	0.633	1.36	0.388	0.050	---	---	11
12	---	---	---	---	0 E	0.468	0.668	0.913A	0.384	0.056	---	---	12
13	---	---	---	---	0 A	0.430	0.384	0.582E	0.388	0.115	---	---	13
14	---	---	---	---	0	0.386A	0.632	0.325E	0.405	0.172	---	---	14
15	---	---	---	---	0	0.3058	0.739	0.573E	0.468	0.288	---	---	15
16	---	---	---	---	0	0.2558	0.748	0.808A	0.451	0.339	---	---	16
17	---	---	---	---	0	0.2068	0.668	0.628E	0.278	0.419	---	---	17
18	---	---	---	---	0	0.1778	0.568	0.428E	0.268	0.475	---	---	18
19	---	---	---	---	0.627	0.2788	0.628	0.2618	0.417	0.388	---	---	19
20	---	---	---	---	0.130	0.2148	0.688	0.2148	0.347	0.243	---	---	20
21	---	---	---	---	0.370	0.550	0.536	0.2888	0.418	0.199	---	---	21
22	---	---	---	---	0.179	0.488	0.715	0.3078	0.568	0.288	---	---	22
23	---	---	---	---	0.123	0.313	0.528	0.4068	0.388	0.238	---	---	23
24	---	---	---	---	0.085	0.288	0.543	0.2198	0.383	0.191	---	---	24
25	---	---	---	---	0.301	0.238	0.749	0.2138	0.447	0.141	---	---	25
26	---	---	---	0.011A	0.408	0.206	1.12	0.2138	0.888	0.138	---	---	26
27	---	---	---	0.077	0.705	0.531	0.918	0.3618	0.837	0.078	---	---	27
28	---	---	---	0.052	0.705	0.567	0.883	0.3058	1.07	0.043	---	---	28
29	---	---	---	0.010	0.568	0.679	0.788	0.1328	1.22	0.043	---	---	29
30	---	---	---	0.000	0.418	0.883	0.788	0.2138	1.38	0.033	---	---	30
31	---		---		0.581		0.788	0.217		0.015		---	31
TOTAL	---	---	---	---	8.627	15.237	23.096	17.117	15.025	6.988	---	---	TOTAL
MEAN	---	---	---	---	0.192	0.511	0.745	0.558	0.501	0.161	---	---	MEAN
MAX	---	---	---	---	0.705	1.16	1.85	1.36	1.22	0.548	---	---	MAX
MIN	---	---	---	---	0	0.238	0.384	0.153	0.347	0.015	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.655
MAXIMUM DAILY, 1.85 CU JUL 1
MINIMUM DAILY, 0.00 MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 43 N
LONG 113 45 43 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 310
FEB	---	AUG	1 430
MAR	0	SEP	1
APR	1
MAY	---	OCT	---
JUN	1
		NOV	---
		DEC	---

TOTAL DISCHARGE, 4 960 dam³

POINTE-AUX-PINS CREEK NEAR ARBORGLEN - STATION NO. 05BB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.806	0.040	0	0.120	0	0	---	---	1
2	---	---	---	0 B	0.693	0.051	0	0.104	0	0	---	---	2
3	---	---	---	0 B	0.540	0.065	0.006	0.225	0	0	---	---	3
4	---	---	---	0 B	0.423	0.036	0.005	0.088	0	0.002	---	---	4
5	---	---	---	0 B	0.339	0.007	0.376	0.091	0	0.014	---	---	5
										0.010			
6	---	---	---	0 B	0.304	0.103	0.271	0.052	0.039	0.010	---	---	6
7	---	---	---	0 B	0.295	0.108	0.316	0.011	0.033	0.005	---	---	7
8	---	---	---	0 B	0.288	0.151	0.305	0.009	0	0	---	---	8
9	---	---	---	0 B	0.095	0.115	0.154	0	0	0	---	---	9
10	---	---	---	0 B	0.071	0.178	0.134	0	0.035	0	---	---	10
11	---	---	---	0 B	0.189	0.319	0.106	0.031	0.048	0	---	---	11
12	---	---	---	0 B	0.863	0.382	0.088	0.037	0.034	0	---	---	12
13	---	---	---	0.0438	0.862	0.075	0.118	0.037	0.012	0	---	---	13
14	---	---	---	1.91 B	0.186	0	0.133	0	0	0	---	---	14
15	---	---	---	0.3458	0.073	0.037	0.283	0.073	0	0	---	---	15
16	---	---	---	0.3288	0.050	0	0.597	0.035	0.047	0	---	---	16
17	---	---	---	0.7088	0.099	0	0.566	0.044	0.094	0	---	---	17
18	---	---	---	0.5958	0.017	0	0.478	0	0	0	---	---	18
19	---	---	---	0.5128	0.003	0	0.403	0.012	0	0	---	---	19
20	---	---	---	1.16 B	0.052	0	0.406	0	0	0.014	---	---	20
21	---	---	---	3.18 B	0	0	0.590	0	0	0.026	---	---	21
22	---	---	---	4.43 B	0	0	1.47	0	0	0.0018	---	---	22
23	---	---	---	5.65	0.099	0	2.13	0	0	0 E	---	---	23
24	---	---	---	5.88	0.095	0	1.58	0	0	0 E	---	---	24
25	---	---	---	4.21	0.078	0	1.10	0	0	0 E	---	---	25
26	---	---	---	3.30	0.026	0	0.738	0	0.068	0 E	---	---	26
27	---	---	---	2.48	0	0	0.563	0	0.088	0 E	---	---	27
28	---	---	---	1.93	0.043	0	0.430	0	0.064	0 E	---	---	28
29	---		---	1.50	0	0	0.358	0	0.019	0 E	---	---	29
30	---		---	1.12	0.019	0	0.303	0.020	0.002	0 E	---	---	30
31	---		---		0.023		0.165	0		0 E	---	---	31
TOTAL	---	---	---	39.275	5.125	1.658	15.118	0.735	0.465	0.165	---	---	TOTAL
MEAN	---	---	---	1.31	0.165	0.055	0.488	0.024	0.016	0.005	---	---	MEAN
MAX	---	---	---	5.88	0.864	0.318	2.13	0.134	0.088	0.049	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS APR TO OCT

MEAN, 0.292
MAXIMUM DAILY, 5.88 CMS APR 24
MINIMUM DAILY, 0.0 CMS APR 1
MAXIMUM INSTANTANEOUS,
0.53 AT 02:52 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 58 N
LONG 113 09 49 W
DRAINAGE AREA, 90.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 310
FEB	---	AUG	63.5
MAR	---	SEP	48.2
APR	3 390	OCT	12.5
MAY	443	NOV	---
JUN	143	DEC	---

TOTAL DISCHARGE, 5 400 dam³

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARBORGLEN - STATION NO. 05BB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.078	0.005	0	0.004	0	0	---	---	1
2	---	---	---	0 B	0.053	0.003	0	0.003	0	0	---	---	2
3	---	---	---	0 B	0.038	0.003	0	0.002	0	0	---	---	3
4	---	---	---	0 B	0.028	0.001	0.004	0.001	0	0	---	---	4
5	---	---	---	0 B	0.022	0.001	0.008	0.006	0	0	---	---	5
6	---	---	---	0 B	0.021	0.002	0.003	0.005	0	0	---	---	6
7	---	---	---	0 B	0.020	0	0.004	0.003	0	0	---	---	7
8	---	---	---	0 B	0.016	0	0.076	0.003	0	0	---	---	8
9	---	---	---	0 B	0.014	0	0.053	0	0	0	---	---	9
10	---	---	---	0 B	0.013	0	0.033	0	0	0	---	---	10
11	---	---	---	0.0018	0.012	0	0.020	0	0	0	---	---	11
12	---	---	---	0.0028	0.011	0	0.016	0	0	0	---	---	12
13	---	---	---	0.0028	0.009	0	0.008	0	0	0	---	---	13
14	---	---	---	0.0018	0.007	0	0.005	0	0	0	---	---	14
15	---	---	---	0.0018	0.006	0	0.005	0	0	0	---	---	15
16	---	---	---	0.2018	0.005	0	0.007	0	0	0	---	---	16
17	---	---	---	0.050	0.006	0	0.004	0	0	0	---	---	17
18	---	---	---	0.037	0.005	0	0.003	0	0	0	---	---	18
19	---	---	---	0.031	0.006	0	0.005	0	0	0	---	---	19
20	---	---	---	0.078	0.009	0	0.005	0	0	0	---	---	20
21	---	---	---	0.379	0.007	0	0.002	0	0	0	---	---	21
22	---	---	---	0.015	0.006	0	0.148	0	0	0	---	---	22
23	---	---	---	0.012	0.011	0	0.308	0	0	0	---	---	23
24	---	---	---	1.05	0.012	0	0.613	0	0	0	---	---	24
25	---	---	---	0.013	0.010	0	0.203	0	0	0	---	---	25
26	---	---	---	0.550	0.010	0	0.146	0	0	0	---	---	26
27	---	---	---	0.268	0.009	0	0.096	0	0	0	---	---	27
28	---	---	---	0.208	0.011	0	0.059	0	0	0	---	---	28
29	---		---	0.173	0.011	0	0.015	0	0	0	---	---	29
30	---		---	0.151	0.009	0	0.008	0	0	0	---	---	30
31	---		---		0.008		0.006	0		0	---	---	31
TOTAL	---	---	---	5.307	0.405	0.014	2.108	0.028	0	0	---	---	TOTAL
MEAN	---	---	---	0.177	0.016	0	0.068	0.001	0	0	---	---	MEAN
MAX	---	---	---	1.05	0.078	0.005	0.613	0.006	0	0	---	---	MAX
MIN	---	---	---	0	0.005	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS APR TO OCT

MEAN, 0.037
MAXIMUM DAILY, 1.05 CMS APR 24
MINIMUM DAILY, 0.0 CMS APR 1
MAXIMUM INSTANTANEOUS,
1.19 AT 03:37 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 26 42 N
LONG 113 08 48 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	183
FEB	---	AUG	3.48
MAR	---	SEP	0
APR	459	OCT	0
MAY	61.9	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 697 dam³

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARROSSAN - STATION NO. 05ED910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	0 B	0.006	0.001	0	0.001	0	0	----	----	1
2	----	----	----	0 B	0.005	0	0	0.001	0	0	----	----	2
3	----	----	----	0 B	0.006	0	0.001	0	0	0	----	----	3
4	----	----	----	0 B	0.002	0	0.071	0	0	0	----	----	4
5	----	----	----	0 B	0.002	0	0.060	0	0	0	----	----	5
6	----	----	----	0 B	0.002	0	0.045	0	0	0	----	----	6
7	----	----	----	0 B	0.002	0	0.019	0	0	0	----	----	7
8	----	----	----	0 B	0.001	0	0.008	0	0	0	----	----	8
9	----	----	----	0 B	0.001	0	0.003	0	0	0	----	----	9
10	----	----	----	0 B	0.001	0	0.002	0	0	0	----	----	10
11	----	----	----	0 B	0.001	0	0.001	0	0	0	----	----	11
12	----	----	----	0 B	0.001	0	0.001	0	0	0	----	----	12
13	----	----	----	0 B	0.001	0	0.001	0	0	0	----	----	13
14	----	----	----	0.1250	0.001	0	0.001	0	0	0	----	----	14
15	----	----	----	0.0210	0.001	0	0.001	0	0	0	----	----	15
16	----	----	----	0.0188	0.001	0	0.001	0	0	0	----	----	16
17	----	----	----	0.0468	0.001	0	0	0	0	0	----	----	17
18	----	----	----	0.0518	0.001	0	0	0	0	0	----	----	18
19	----	----	----	0.0518	0.002	0	0	0	0	0	----	----	19
20	----	----	----	0.3528	0.003	0	0	0	0	0	----	----	20
21	----	----	----	0.896	0.002	0	0	0	0	0	----	----	21
22	----	----	----	1.26	0.002	0	0.093	0	0	0	----	----	22
23	----	----	----	1.12	0.003	0	0.093	0	0	0E	----	----	23
24	----	----	----	0.588	0.003	0	0.026	0	0	0E	----	----	24
25	----	----	----	0.187	0.002	0	0.007	0	0	0E	----	----	25
26	----	----	----	0.085	0.002	0	0.004	0	0	0E	----	----	26
27	----	----	----	0.053	0.001	0	0.003	0	0	0E	----	----	27
28	----	----	----	0.035	0.001	0	0.002	0	0	0E	----	----	28
29	----		----	0.019	0.001	0	0.001	0	0	0E	----	----	29
30	----		----	0.009	0.001	0	0.001	0	0	0E	----	----	30
31	----		----		0.001		0.001	0		0E		----	31
TOTAL	----	----	----	7.936	0.059	0.001	0.445	0.002	0	0	----	----	TOTAL
MEAN	----	----	----	0.164	0.002	0	0.014	0	0	0	----	----	MEAN
MAX	----	----	----	1.26	0.006	0.001	0.093	0.001	0	0	----	----	MAX
MIN	----	----	----	0	0.001	0	0	0	0	0	----	----	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.025
MAXIMUM DAILY, 1.26 ON APR 22
MINIMUM DAILY, 0E ON APR 1
MAXIMUM INSTANTANEOUS,
1.90 AT 23:45 MST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 48 N
LONG 113 08 49 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	38.4
FEB	----	AUG	0.17
MAR	----	SEP	0
APR	436	OCT	0
MAY	5.10	NOV	----
JUN	0.09	DEC	----

TOTAL DISCHARGE, 479 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARROSSAN - STATION NO. 05ED911

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	----	----	----	0 B	0	0	0.001	0	0	0	----	----	1
2	----	----	----	0 B	0	0	0.007	0	0	0	----	----	2
3	----	----	----	0 B	0.001	0	0.022	0	0	0	----	----	3
4	----	----	----	0 B	0	0	0.053	0	0	0	----	----	4
5	----	----	----	0 B	0	0.001	0.012	0	0	0	----	----	5
6	----	----	----	0 B	0	0	0.009	0	0	0	----	----	6
7	----	----	----	0 B	0	0	0.005	0	0	0	----	----	7
8	----	----	----	0 B	0	0	0.003	0	0	0	----	----	8
9	----	----	----	0 B	0	0	0.003	0	0	0	----	----	9
10	----	----	----	0 B	0	0	0.004	0	0	0	----	----	10
11	----	----	----	0 B	0.001	0	0.006	0	0	0	----	----	11
12	----	----	----	0 B	0.001	0	0.005	0	0	0	----	----	12
13	----	----	----	0 B	0.001	0	0.006	0	0	0	----	----	13
14	----	----	----	0.0030	0.001	0	0.006	0	0	0	----	----	14
15	----	----	----	0.0020	0.001	0	0.007	0	0	0	----	----	15
16	----	----	----	0.0018	0.001	0	0.006	0	0	0	----	----	16
17	----	----	----	0.0058	0	0	0.008	0	0	0	----	----	17
18	----	----	----	0.0138	0	0	0.007	0	0	0	----	----	18
19	----	----	----	0.0108	0.001	0	0.006	0	0	0	----	----	19
20	----	----	----	0.0438	0.002	0	0.006	0	0	0	----	----	20
21	----	----	----	0.134	0.001	0	0.005	0	0	0	----	----	21
22	----	----	----	0.128	0.001	0	0.020	0	0	0	----	----	22
23	----	----	----	0.105	0.000	0.001	0.020	0	0	0	----	----	23
24	----	----	----	0.137	0.002	0.001	0.009	0	0	0	----	----	24
25	----	----	----	0.080	0.001	0.001	0.003	0	0	0	----	----	25
26	----	----	----	0.057	0.001	0.001	0.001	0	0	0	----	----	26
27	----	----	----	0	0.001	0.001	0.001	0	0	0	----	----	27
28	----	----	----	0	0.002	0.001	0	0	0	0	----	----	28
29	----		----	0	0.002	0.001	0	0	0	0	----	----	29
30	----		----	0	0.002	0.001	0	0	0	0	----	----	30
31	----		----		0		0	0		0		----	31
TOTAL	----	----	----	0.716	0.029	0.009	0.240	0	0	0	----	----	TOTAL
MEAN	----	----	----	0.024	0.001	0	0.008	0	0	0	----	----	MEAN
MAX	----	----	----	0.137	0.006	0.001	0.053	0	0	0	----	----	MAX
MIN	----	----	----	0	0	0	0	0	0	0	----	----	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.137 ON APR 24
MINIMUM DAILY, 0E ON APR 1
MAXIMUM INSTANTANEOUS,
0.353 AT 11:00 MDT ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 48 N
LONG 113 08 47 W

B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	----	JUL	20.7
FEB	----	AUG	0
MAR	----	SEP	0
APR	61.9	OCT	0
MAY	3.62	NOV	----
JUN	0.78	DEC	----

TOTAL DISCHARGE, 86.9 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POWDER RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.44	15.7	5.36	2.22E	4.01E	2.71 B	---	---	1
2	---	---	0B	0 B	19.5	15.3	5.36E	2.36	4.35	2.85	---	---	2
3	---	---	0B	0 B	37.1	14.8	5.36	2.60	4.44	2.88	---	---	3
4	---	---	0B	0 B	55.4	14.1	5.27	2.58E	4.32E	2.66 E	---	---	4
5	---	---	0B	0 B	48.1	13.5 E	5.16E	2.57	4.58	2.52	---	---	5
6	---	---	0B	0 B	31.7	12.8 E	5.05	3.03E	4.63E	2.39 E	---	---	6
7	---	---	0B	0 B	28.4	12.4	4.76	3.49	4.27	2.25	---	---	7
8	---	---	0B	0 B	21.0	11.9	4.54	3.64	4.06	2.36	---	---	8
9	---	---	0B	0 B	21.1	11.4 E	4.29	3.50E	4.35E	2.31 E	---	---	9
10	---	---	0B	0 B	22.8	10.8	4.14E	3.35E	4.84	2.26 E	---	---	10
11	---	---	0B	0 B	23.5	10.6 E	3.99	3.20	4.88E	2.31	---	---	11
12	---	---	0B	0 B	23.9	10.3	4.70	3.18E	4.87	2.30 E	---	---	12
13	---	---	0B	0 B	25.4	9.95	4.21	3.17	5.57E	2.20	---	---	13
14	---	---	0B	0 B	29.5	9.31	4.58E	3.23	6.17	2.30	---	---	14
15	---	---	0B	0 B	34.3	9.09	4.87	3.45E	5.75E	2.40 E	---	---	15
16	---	---	0B	0 B	46.8	9.25	5.15E	3.68	5.33	2.61	---	---	16
17	---	---	0B	0 B	57.8	8.82	5.44	4.14E	5.15	2.88 E	---	---	17
18	---	---	0B	0.001B	58.3	8.65	4.56	4.60	4.60E	1.54 B	---	---	18
19	---	---	0B	0.005B	58.2	8.62	4.16E	4.39E	4.06	1.47 B	---	---	19
20	---	---	0B	0.027B	43.1	8.27	3.75	4.17	3.74E	1.40 B	---	---	20
21	---	---	0B	0.270B	37.2	7.98	3.34	3.97E	3.48E	1.48 B	---	---	21
22	---	---	0B	0.370B	34.1	7.89	3.12	3.77E	3.13	1.57 B	---	---	22
23	---	---	0B	0.480B	29.8	7.51	2.94	3.57	2.96E	1.65 B	---	---	23
24	---	0B	0B	0.640B	26.1	7.15	2.88	3.63	2.78E	1.27 B	---	---	24
25	---	0B	0B	0.735B	24.7	6.84	2.68	3.42	2.61	1.52 B	---	---	25
26	---	0B	0B	0.821B	22.6	6.57E	2.57E	3.49	2.67	1.63 B	---	---	26
27	---	0B	0B	1.15 B	21.2	6.31	2.45E	3.44E	2.64E	1.54 B	---	---	27
28	---	0B	0B	1.84	19.9	6.31	2.33	3.39	2.61	1.67 B	---	---	28
29	---		0B	1.76	18.8 E	5.88	2.37E	3.12	2.59E	1.03 B	---	---	29
30	---		0B	2.60 E	17.6	5.62E	2.42	3.39E	2.57	0.999B	---	---	30
31	---		0B		16.8		2.10	3.66		0.912B		---	31
TOTAL	---	---	0	9.911	937.14	293.82	123.86	105.37	121.79	68.891	---	---	TOTAL
MEAN	---	---	0	0.330	30.2	9.79	4.00	3.40	4.06	1.94	---	---	MEAN
MAX	---	---	0	2.60	57.8	15.7	5.44	4.60	6.17	2.85	---	---	MAX
MIN	---	---	0	0	3.44	5.62	2.10	2.22	2.57	0.912	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.74
MAXIMUM DAILY, 57.8 ON MAY 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS, 60.2 AT 15:00 MST ON MAY 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 27 53 N
LONG 114 15 23 W
DRAINAGE AREA, 2 550 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 700
FEB	---	AUG	9 100
MAR	0	SEP	10 500
APR	856	OCT	5 190
MAY	81 000	NOV	---
JUN	25 400	DEC	---

TOTAL DISCHARGE, 143 000 dam³

PONY CREEK NEAR CHARD - STATION NO. 07CH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.61	0.128	0.740E	0.712	0.529	---	---	1
2	---	---	---	---	---	1.42	0.160E	1.50 E	0.639	0.577	---	---	2
3	---	---	---	---	---	1.27	0.250E	3.30 E	0.537	0.544	---	---	3
4	---	---	---	---	---	1.19	0.340E	5.40 E	0.442	0.536	---	---	4
5	---	---	---	---	---	1.39	0.400E	5.73 A	0.405	0.540	---	---	5
6	---	---	---	---	---	1.51	0.410E	5.28	0.335	0.557	---	---	6
7	---	---	---	---	---	1.33	0.400E	4.82	0.297	0.551	---	---	7
8	---	---	---	---	---	1.14	0.390E	4.35	0.288	0.538	---	---	8
9	---	---	---	---	---	1.04	0.380E	3.85	0.387	0.556	---	---	9
10	---	---	---	---	---	0.945	0.360E	3.36	0.681	0.488	---	---	10
11	---	---	---	---	---	0.782	0.340E	2.93	0.768	0.473	---	---	11
12	---	---	---	---	---	0.732	0.330E	2.70	0.675	0.419	---	---	12
13	---	---	---	---	---	0.734	0.320E	2.36	0.512	0.380	---	---	13
14	---	---	---	---	---	0.650	0.310E	2.01	0.463	0.417	---	---	14
15	---	---	---	---	---	0.768	0.310E	1.84	0.469	0.383	---	---	15
16	---	---	---	---	---	0.731	0.310E	1.79	0.461	0.523	---	---	16
17	---	---	---	---	---	0.952	0.360E	1.67	0.447	0.642	---	---	17
18	---	---	---	---	---	0.875	0.450E	1.54	0.423	0.665	---	---	18
19	---	---	---	---	---	0.728	0.500E	1.44	0.400	0.591	---	---	19
20	---	---	---	---	1.63A	0.600	0.530E	1.19	0.364	0.550B	---	---	20
21	---	---	---	---	1.62	0.762	0.530E	1.13	0.367	0.500B	---	---	21
22	---	---	---	---	1.44	0.697	0.520E	1.28	0.389	0.470B	---	---	22
23	---	---	---	---	1.60	0.386	0.530E	1.23	0.399	0.430B	---	---	23
24	---	---	---	---	2.51	0.396	0.560E	1.15	0.401	0.400B	---	---	24
25	---	---	---	---	2.34	0.286	0.600E	1.14	0.425	0.370B	---	---	25
26	---	---	---	---	2.38	0.214	0.640E	0.968	0.464	0.340B	---	---	26
27	---	---	---	---	2.37	0.193	0.660E	0.796	0.536	0.320B	---	---	27
28	---	---	---	---	2.32	0.158	0.670E	0.618	0.518	0.310B	---	---	28
29	---		---	---	2.15	0.127	0.660E	0.929	0.541	0.280B	---	---	29
30	---		---	---	1.99	0.107	0.650E	0.841	0.519	0.268B	---	---	30
31	---		---		1.76		0.660E	0.772		0.260B		---	31
TOTAL	---	---	---	---	---	23.493	13.658	68.954	14.244	14.416	---	---	TOTAL
MEAN	---	---	---	---	---	0.783	0.441	2.22	0.475	0.465	---	---	MEAN
MAX	---	---	---	---	---	1.61	0.670	5.73	0.768	0.665	---	---	MAX
MIN	---	---	---	---	---	0.107	0.128	0.740	0.288	0.260	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.73A ON AUG 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 55 N
LONG 110 55 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 188
FEB	---	AUG	9 960
MAR	---	SEP	1 230
APR	---	OCT	1 250
MAY	---	NOV	---
JUN	2 830	DEC	---

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	5.98	1.84	0.365	0.174	0.567	0.324	0.347A	0.200B	1
2	0B	0B	0B	0 B	6.02	1.73	0.392	0.320	0.508	0.354	0.330B	0.200B	2
3	0B	0B	0B	0 B	6.01	1.62	0.555	0.306	0.511	0.352	0.330B	0.190B	3
4	0B	0B	0B	0 B	5.82	1.66	0.663	0.385	0.455	0.335	0.320B	0.190B	4
5	0B	0B	0B	0 B	5.96	1.73	0.608	0.404	0.447	0.316	0.320B	0.190B	5
6	0B	0B	0B	0 B	5.39	1.50	0.513	0.443	0.439	0.299	0.310B	0.180B	6
7	0B	0B	0B	0 B	4.97	1.33	0.429	0.624	0.460	0.299	0.300B	0.180B	7
8	0B	0B	0B	0 B	4.85	1.32	0.389	0.576	0.425	0.318	0.290B	0.180B	8
9	0B	0B	0B	0 B	4.71	1.19	0.348	0.541	0.460	0.313	0.290B	0.180B	9
10	0B	0B	0B	0 B	4.60	1.08	0.324	0.496	0.718	0.306	0.280B	0.170B	10
11	0B	0B	0B	0 B	4.47	0.986	0.285	0.566	0.711	0.335	0.280B	0.170B	11
12	0B	0B	0B	0.005B	4.24	0.967	0.276	0.640	0.587	0.300	0.270B	0.170B	12
13	0B	0B	0B	0.010B	4.11	0.931	0.266	0.612	0.526	0.306	0.270B	0.167B	13
14	0B	0B	0B	0.015B	3.92	0.819	0.252	0.617	0.495	0.313	0.260B	0.160B	14
15	0B	0B	0B	0.025B	3.79	0.771	0.225	0.662	0.517	0.293	0.260B	0.150B	15
16	0B	0B	0B	0.030B	3.64	0.728	0.186	0.684	0.483	0.393	0.250B	0.140B	16
17	0B	0B	0B	0.035B	3.57	0.739	0.161	0.679	0.506	0.462	0.250B	0.140B	17
18	0B	0B	0B	0.045B	3.32	0.693	0.130	0.681	0.489	0.371	0.240B	0.130B	18
19	0B	0B	0B	0.065B	3.38	0.585	0.163	0.652	0.462	0.337A	0.240B	0.120B	19
20	0B	0B	0B	0.121B	3.35	0.535	0.175	0.608	0.455	0.350E	0.230B	0.110B	20
21	0B	0B	0B	0.446B	3.06	0.554	0.123	0.590	0.440	0.360E	0.230B	0.100B	21
22	0B	0B	0B	0.859B	2.93	0.570	0.160	0.609	0.449	0.368A	0.230B	0.095B	22
23	0B	0B	0B	0.768B	3.13	0.506	0.380	0.632	0.412	0.379	0.220B	0.085B	23
24	0B	0B	0B	0.782B	3.02	0.471	0.412	0.565	0.401	0.369	0.220B	0.075B	24
25	0B	0B	0B	1.49 B	2.89	0.447	0.348	0.530	0.442	0.376	0.220B	0.065B	25
26	0B	0B	0B	1.70 B	2.73	0.433	0.342	0.474	0.403	0.386	0.220B	0.060B	26
27	0B	0B	0B	1.72 B	2.52	0.396	0.307	0.424	0.374	0.400	0.210B	0.055B	27
28	0B	0B	0B	1.84	2.65	0.359	0.271	0.481	0.344	0.366	0.210B	0.050B	28
29	0B		0B	5.61	2.32	0.336	0.222	0.433	0.360	0.363	0.210B	0.045B	29
30	0B		0B	5.79	2.14	0.293	0.201	0.404	0.321	0.360	0.200B	0.040B	30
31	0B		0B		2.03		0.194	0.416		0.342		0.035B	31
TOTAL	0	0	0	26.356	121.52	27.119	9.645	16.128	14.167	10.745	7.837	4.022	TOTAL
MEAN	0	0	0	0.879	3.92	0.904	0.311	0.520	0.472	0.347	0.261	0.130	MEAN
MAX	0	0	0	5.79	6.02	1.84	0.663	0.684	0.718	0.462	0.347	0.200	MAX
MIN	0	0	0	0	2.03	0.293	0.123	0.174	0.321	0.293	0.200	0.035	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.651
MAXIMUM DAILY, 6.02 ON MAY 2
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
7.39B AT 06:11 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 54 50 N
LONG 111 27 35 W
DRAINAGE AREA, 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	833
FEB	0	AUG	1 390
MAR	0	SEP	1 220
APR	2 280	OCT	928
MAY	10 500	NOV	677
JUN	2 340	DEC	348

TOTAL DISCHARGE, 20 500 dam³

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	0.025B	0.815B	0.078	0.025	0.238	0.067	0.044	---	---	1
2	---	---	0.020B	0.025B	0.485B	0.076	0.025	0.374	0.059	0.046	---	---	2
3	---	---	0.020B	0.025B	0.405	0.072	0.043	0.671	0.053	0.048	---	---	3
4	---	---	0.020B	0.025B	0.340	0.072	0.035	1.24	0.049	0.050	---	---	4
5	---	---	0.021B	0.025B	0.311	0.106	0.021	1.33	0.054	0.048	---	---	5
6	---	---	0.021B	0.026B	0.291	0.105	0.013	1.21	0.052	0.047	---	---	6
7	---	---	0.021B	0.026B	0.288	0.103	0.014	1.01	0.046	0.049	---	---	7
8	---	---	0.021B	0.026B	0.267	0.099	0.024	0.790	0.046	0.049	---	---	8
9	---	---	0.021B	0.027B	0.255	0.098	0.036	0.608	0.046	0.046	---	---	9
10	---	---	0.021B	0.027B	0.246	0.090	0.044	0.465	0.047	0.053	---	---	10
11	---	---	0.021B	0.028B	0.236	0.089	0.049	0.456	0.047	0.040	---	---	11
12	---	---	0.022B	0.029B	0.223	0.084	0.060	0.449	0.047	0.040	---	---	12
13	---	---	0.022B	0.030B	0.217	0.083	0.075	0.345	0.043	0.040	---	---	13
14	---	---	0.022B	0.032B	0.198	0.081	0.121	0.281	0.038	0.037	---	---	14
15	---	---	0.022B	0.035B	0.193	0.077	0.245	0.260	0.036	0.036B	---	---	15
16	---	---	0.022B	0.038B	0.188	0.072	0.273	0.266	0.036	0.035B	---	---	16
17	---	---	0.022B	0.042B	0.182	0.072	0.299	0.262	0.033	0.034B	---	---	17
18	---	---	0.022B	0.048B	0.197	0.072	0.305	0.215	0.031	0.033B	---	---	18
19	---	---	0.023B	0.056B	0.155	0.072	0.319	0.176	0.030	0.033B	---	---	19
20	---	---	0.023B	0.070B	0.139	0.067	0.335	0.165	0.028	0.032B	---	---	20
21	---	---	0.023B	0.096B	0.123	0.066	0.350	0.127	0.028	0.032B	---	---	21
22	---	---	0.023B	0.130B	0.109	0.068	0.520	0.119	0.028	0.031B	---	---	22
23	---	---	0.023B	0.193B	0.141	0.068	0.622	0.163	0.029	0.031B	---	---	23
24	---	---	0.023B	0.310B	0.136	0.062	0.349	0.136	0.033	0.031B	---	---	24
25	---	---	0.024B	0.660B	0.133	0.058	0.335	0.116	0.035	0.031B	---	---	25
26	---	---	0.024B	0.900B	0.130	0.051	0.333	0.099	0.034	0.031B	---	---	26
27	---	---	0.024B	0.970B	0.116	0.037	0.326	0.086	0.037	0.031B	---	---	27
28	---	---	0.024B	0.931B	0.110	0.032	0.298	0.086	0.041	0.031B	---	---	28
29	---		0.024B	0.870B	0.102	0.028	0.255	0.079	0.043	0.031B	---	---	29
30	---		0.025B	0.810B	0.093	0.025	0.210	0.066	0.044	0.031B	---	---	30
31	---		0.025B		0.082		0.176	0.048		0.031B		---	31
TOTAL	---	---	0.689	6.657	6.906	2.163	6.135	11.896	1.240	1.182	---	---	TOTAL
MEAN	---	---	0.022	0.222	0.223	0.072	0.198	0.384	0.041	0.038	---	---	MEAN
MAX	---	---	0.025	0.970	0.815	0.106	0.622	1.33	0.067	0.053	---	---	MAX
MIN	---	---	0.020	0.025	0.082	0.025	0.013	0.048	0.028	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.150
MAXIMUM DAILY, 1.33 ON AUG 5
MINIMUM DAILY, 0.013 ON JUL 6
MAXIMUM INSTANTANEOUS,
1.36 AT 21:08 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 34 25 W

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	530
FEB	---	AUG	1 030
MAR	59.5	SEP	107
APR	575	OCT	102
MAY	597	NOV	---
JUN	197	DEC	---

TOTAL DISCHARGE, 3 190 dam³

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.157	0.276	2.87	0.422	0.356	0.643	0.124	1.77	1
2	---	---	---	---	0.146	0.256	2.60	0.414	0.297	0.604	0.125	1.46 B	2
3	---	---	---	---	0.148	0.292	1.29	0.378	0.277	0.515	0.099	1.14 B	3
4	---	---	---	---	0.142	0.303	0.932	0.408	0.317	0.482	0.108	0.905B	4
5	---	---	---	---	0.150	0.558	0.828	0.487	0.323	0.490	0.607	0.725B	5
6	---	---	---	---	0.199	0.781	0.731	0.511	0.381	0.471	1.48	0.550B	6
7	---	---	---	---	0.204	0.770	0.686	0.432	0.278	0.413	3.04	0.400B	7
8	---	---	---	---	0.244	0.638	0.584	0.436	0.232	0.393	3.08	0.430B	8
9	---	---	---	---	0.240	0.561	0.445	0.516	0.217	0.423	3.10	0.630B	9
10	---	---	---	---	0.246	0.509	0.535	0.527	0.220	0.426	3.08	1.30 B	10
11	---	---	---	---	0.248	0.804	0.710	0.595	0.250	0.388	2.98	3.00 B	11
12	---	---	---	---	0.205	0.731	0.683	0.504	0.258	0.347	2.85	2.20 B	12
13	---	---	---	---	0.189	0.715	0.612	0.496	0.317	0.354	3.24 B	1.55 B	13
14	---	---	---	---	0.169	0.675	0.572	0.548	0.288	0.383	3.28 B	1.12 B	14
15	---	---	---	---	0.178	0.677	0.584	0.515	0.298	0.365	3.91 B	1.21 B	15
16	---	---	---	---	0.172	0.665	0.697	0.508	0.346	0.344	3.96 B	0.905B	16
17	---	---	---	---	0.359	0.694	0.775	0.526	0.406	0.303	5.65 B	0.285B	17
18	---	---	---	---	0.282	1.00	0.781	0.468	0.406	0.293	6.73 B	0.205B	18
19	---	---	---	---	0.268	1.10	0.780	0.381	0.445	0.285	5.26 B	0.178B	19
20	---	---	---	---	0.263	0.622	0.846	0.364	0.542	0.279	5.25 B	0.181B	20
21	---	---	---	---	0.234	0.656	0.804	0.368	0.532	0.279	5.84 B	0.147B	21
22	---	---	---	---	0.205	0.623	0.582	0.386	0.455	0.307	5.03 B	0.138B	22
23	---	---	---	---	0.204	0.625A	0.539	0.441	0.474	0.329	5.50 B	0.146B	23
24	---	---	---	---	0.196	0.760	0.550	0.433	0.579	0.309	6.49 B	0.136B	24
25	---	---	---	---	0.184	0.753	0.517	0.433	0.540	0.307	8.88 B	0.111B	25
26	---	---	---	---	0.201	0.707	1.38	0.495	0.554	0.310	7.25 B	0.101B	26
27	---	---	---	---	0.271	0.702	1.17	0.514	0.754	0.284	3.95 B	0.099B	27
28	---	---	---	---	0.349	0.632	0.728	0.456	0.831	0.273	2.63 B	0.104B	28
29	---		---	---	0.367	0.642	0.572	0.453	0.815	0.235	2.18 B	0.096B	29
30	---		---	0.170A	0.363	1.01	0.490	0.448	0.736	0.196	2.02 A	0.094B	30
31	---		---		0.326		0.435	0.425		0.132		0.121B	31
TOTAL	---	---	---	---	7.109	19.737	26.308	14.288	12.684	11.162	107.723	20.937	TOTAL
MEAN	---	---	---	---	0.229	0.658	0.849	0.461	0.423	0.360	3.59	0.675	MEAN
MAX	---	---	---	---	0.367	1.10	2.87	0.595	0.831	0.643	8.88	3.00	MAX
MIN	---	---	---	---	0.142	0.256	0.435	0.364	0.217	0.132	0.099	0.094	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.87 ON JUL 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 52 N
LONG 112 49 40 W
DRAINAGE AREA, 772 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1919

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 270
FEB	---	AUG	1 230
MAR	---	SEP	1 100
APR	---	OCT	964
MAY	614	NOV	9 310
JUN	1 710	DEC	1 810

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0E	0	0.144	0.300	0.557	0.249	0.231	0	---	1
2	---	---	---	0E	0	0.158	0.003	0.561	0.208	0.225	0A	---	2
3	---	---	---	0E	0	0.337	0	0.652	0.185	0.223	---	---	3
4	---	---	---	0E	0	0.430	0	0.695	0.219	0.221	---	---	4
5	---	---	---	0E	0	0.406	0	0.710	0.284	0.229	---	---	5
6	---	---	---	0E	0	0.279	0	0.698	0.284	0.221	---	---	6
7	---	---	---	0E	0	0.208	0.061	0.719	0.283	0.217	---	---	7
8	---	---	---	0E	0	0.207	0.193	0.748	0.233	0.226	---	---	8
9	---	---	---	0E	0	0.221	0.265	0.747	0.196	0.230	---	---	9
10	---	---	---	0E	0	0.347	0.343	0.761	0.226	0.170	---	---	10
11	---	---	---	0E	0	0.408	0.367	0.728	0.255	0.198	---	---	11
12	---	---	---	0E	0	0.399	0.409	0.690	0.298	0.228	---	---	12
13	---	---	---	0E	0	0.393	0.432	0.647	0.193	0.208	---	---	13
14	---	---	---	0E	0	0.414	0.501	0.648	0.169	0.222	---	---	14
15	---	---	---	0E	0	0.450	0.566	0.590	0.176	0.083	---	---	15
16	---	---	---	0E	0	0.439	0.530	0.550	0.179	0	---	---	16
17	---	---	---	0E	0	0.471	0.521	0.589	0.192	0	---	---	17
18	---	---	---	0E	0	0.529	0.525	0.659	0.175	0	---	---	18
19	---	---	---	0E	0	0.614	0.518	0.588	0.154	0	---	---	19
20	---	---	---	0A	0	0.637	0.494	0.576	0.146	0	---	---	20
21	---	---	---	0	0	0.526	0.489	0.671	0.146	0	---	---	21
22	---	---	---	0	0	0.535	0.478	0.660	0.147	0	---	---	22
23	---	---	---	0	0	0.599	0.465	0.621	0.150	0	---	---	23
24	---	---	---	0	0	0.528	0.484	0.552	0.151	0	---	---	24
25	---	---	---	0	0.072	0.503	0.538	0.435	0.154	0	---	---	25
26	---	---	---	0	0.189	0.521	0.573	0.374	0.215	0	---	---	26
27	---	---	---	0	0.106	0.505	0.528	0.287	0.293	0	---	---	27
28	---	---	---	0	0.098	0.475	0.476	0.239	0.246	0	---	---	28
29	---		---	0	0.098	0.446	0.483	0.268	0.241	0	---	---	29
30	---		---	0	0.094	0.439	0.498	0.400	0.233	0	---	---	30
31	---		---		0.092		0.528	0.310		0		---	31
TOTAL	---	---	---	0	0.749	12.568	11.568	17.930	6.280	3.132	---	---	TOTAL
MEAN	---	---	---	0	0.024	0.419	0.373	0.578	0.209	0.101	---	---	MEAN
MAX	---	---	---	0	0.189	0.637	0.573	0.761	0.298	0.231	---	---	MAX
MIN	---	---	---	0	0	0.144	0	0.239	0.146	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.244
MAXIMUM DAILY, 0.761 ON AUG 10
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 37 N
LONG 112 53 52 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	999
FEB	---	AUG	1 550
MAR	---	SEP	543
APR	0	OCT	271
MAY	64.7	NOV	---
JUN	1 090	DEC	---

TOTAL DISCHARGE, 4 520 dam³

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.231B	0.068	0.039	0.144	0	0	0	0	---	1
2	---	---	0 B	0.191B	0.057	0.025	0.019	0	0	0	0	---	2
3	---	---	0 B	0.170B	0.049	0.019	0.009	0	0	0	0A	---	3
4	---	---	0 B	0.152B	0.045	0.016	0.005	0	0	0	---	---	4
5	---	---	0 B	0.136B	0.032	0.022	0.005	0	0	0	---	---	5
6	---	---	0 B	0.126B	0.038	0.042	0.004	0	0	0	---	---	6
7	---	---	0 B	0.113B	0.030	0.051	0.003	0	0	0	---	---	7
8	---	---	0.005B	0.110B	0.047	0.088	0.003	0	0	0	---	---	8
9	---	---	0.006B	0.116B	0.064	0.067	0.002	0	0	0	---	---	9
10	---	---	0.006B	0.200B	0.113	0.049	0	0	0	0	---	---	10
11	---	---	0.015B	1.02	0.112	0.029	0	0	0	0	---	---	11
12	---	---	0.055B	4.60	0.073	0.019	0	0	0	0	---	---	12
13	---	---	0.166B	2.82	0.058	0.012	0.001	0	0	0	---	---	13
14	---	---	0.218B	1.44	0.045	0.010	0.004	0	0	0	---	---	14
15	---	---	0.235B	0.561	0.032	0.008	0.001	0	0	0	---	---	15
16	---	---	0.347B	0.283	0.027	0.006	0	0	0	0	---	---	16
17	---	---	0.209B	0.224	0.027	0.005	0	0	0	0	---	---	17
18	---	---	0.180B	0.230	0.028	0.004	0	0	0	0	---	---	18
19	---	---	0.160B	0.232	0.027	0.003	0	0	0	0	---	---	19
20	---	---	0.140B	0.203	0.033	0.003	0	0	0	0	---	---	20
21	---	--	0.120B	0.181	0.033	0.002	0	0	0	0	---	---	21
22	---	---	0.099B	0.202	0.031	0.001	0	0	0	0	---	---	22
23	---	---	0.098B	0.268	0.025	0.004	0	0	0	0	---	---	23
24	---	---	0.115B	0.243	0.020	0.003	0	0	0	0	---	---	24
25	---	---	0.123B	0.235	0.016	0.001	0	0	0	0	---	---	25
26	---	---	0.130B	0.158	0.016	0.001	0	0	0	0	---	---	26
27	---	---	0.138B	0.137	0.022	0.001	0	0	0	0	---	---	27
28	---	---	0.146B	0.127	0.026	0.002	0	0	0	0	---	---	28
29	---		0.156B	0.109	0.063	0.004	0	0	0	0	---	---	29
30	---		0.433B	0.085	0.083	0.004	0	0	0	0	---	---	30
31	---		0.547B		0.063		0	0		0		---	31
TOTAL	---	---	3.847	14.893	1.391	0.540	0.200	0	0	0	---	---	TOTAL
MEAN	---	---	0.124	0.496	0.045	0.018	0.006	0	0	0	---	---	MEAN
MAX	---	---	0.547	4.60	0.113	0.088	0.144	0	0	0	---	---	MAX
MIN	---	---	0	0.085	0.016	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.085
MAXIMUM DAILY, 4.60 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.05 AT 18:45 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 50 N
LONG 112 57 32 W
DRAINAGE AREA, 227 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17.3
FEB	---	AUG	0
MAR	332	SEP	0
APR	1 290	OCT	0
MAY	120	NOV	---
JUN	46.7	DEC	---

TOTAL DISCHARGE, 1 810 dam³

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.410B	0.700B	2.08	3.37	2.31	1.22	1.61	---	---	1
2	---	---	0.010B	0.429B	0.900B	1.85	4.31	2.92	1.12	1.46	---	---	2
3	---	---	0.010B	0.426B	1.10 B	1.71	5.04	2.85	1.01	1.41	---	---	3
4	---	---	0.011B	0.418B	1.26	1.62	11.4	2.42	1.06	1.48	---	---	4
5	---	---	0.012B	0.415B	1.02	1.60	24.8	2.09	1.20	1.28	---	---	5
6	---	---	0.012B	0.417B	0.973	1.99	17.8	1.93	1.11	1.20	---	---	6
7	---	---	0.013B	0.420B	1.10	2.45	10.9	1.77	1.00	1.13	---	---	7
8	---	---	0.017B	0.424B	1.26	2.43	7.81	1.64	0.935	1.07	---	---	8
9	---	---	0.020B	0.427B	1.59	2.52	6.02	1.50	0.905	1.01	---	---	9
10	---	---	0.022B	0.427B	2.07	2.52	4.90	1.42	0.888	0.994	---	---	10
11	---	---	0.021B	0.426B	2.35	2.84	4.24	1.53	0.896	0.982	---	---	11
12	---	---	0.020B	0.421B	2.29	2.70	4.45	1.60	0.915	0.955	---	---	12
13	---	---	0.021B	0.510B	2.32	2.22	4.88	1.41	0.957	0.940	---	---	13
14	---	---	0.024B	0.367B	2.07	1.92	4.27	1.76	0.884	0.924	---	---	14
15	---	---	0.028B	0.308B	1.88	1.73	4.86	2.03	0.885	0.916	---	---	15
16	---	---	0.026B	0.334B	2.35	1.85	3.94	1.64	0.928	0.898	---	---	16
17	---	---	0.023B	0.415B	2.30	1.72	3.33	1.45	0.886	0.899	---	---	17
18	---	---	0.022B	0.388B	1.96	1.54	3.03	1.32	0.838	0.888	---	---	18
19	---	---	0.025B	0.304B	1.76	1.41	2.85	1.20	0.810	0.842	---	---	19
20	---	---	0.030B	0.350B	1.53	1.38	3.39	1.13	0.798	0.848	---	---	20
21	---	---	0.036B	0.433B	1.37	1.40	5.75	1.12	0.785	0.840	---	---	21
22	---	---	0.044B	1.21 B	1.26	1.43	6.04	1.08	0.769	0.879	---	---	22
23	---	---	0.056B	3.67 B	1.41	1.66	4.68	1.05	0.759	0.896	---	---	23
24	---	---	0.068B	3.49 B	1.41	1.67	3.75	1.04	0.743	0.886	---	---	24
25	---	---	0.081B	2.05 B	1.34	1.81	3.32	1.05	0.742	0.870	---	---	25
26	---	---	0.098B	1.18 B	1.47	1.64	3.18	1.73	1.13	0.857	---	---	26
27	---	---	0.123B	0.536B	3.02	1.69	2.91	1.61	1.54	0.857A	---	---	27
28	---	---	0.175B	0.540B	4.68	4.53	2.68	1.58	1.29	0.856E	---	---	28
29	---		0.249B	0.560B	3.97	3.82	2.55	1.55	1.44	0.855E	---	---	29
30	---		0.303B	0.620B	2.96	3.38	2.62	1.48	1.66	0.854E	---	---	30
31	---		0.394B		2.37		2.38	1.39		0.853E		---	31
TOTAL	---	---	2.004	22.285	58.043	63.11	175.45	50.60	30.103	31.159	---	---	TOTAL
MEAN	---	---	0.065	0.742	1.87	2.10	5.66	1.63	1.00	1.01	---	---	MEAN
MAX	---	---	0.394	3.67	4.68	4.53	24.8	2.92	1.66	1.61	---	---	MAX
MIN	---	---	0.010	0.304	0.700	1.38	2.38	1.04	0.742	0.840	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 24.8 ON JUL 5
MINIMUM DAILY, 0.010B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.6 AT 05:09 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 10 N
LONG 115 17 30 W
DRAINAGE AREA, 208 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 200
FEB	---	AUG	4 370
MAR	173	SEP	2 600
APR	1 920	OCT	2 690
MAY	5 010	NOV	---
JUN	5 450	DEC	---

TOTAL DISCHARGE, 37 400 dam³

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.63B	1.59B	1.25B	1.55B	5.26	4.99	8.31	8.17	5.14	5.68	3.58B	2.65B	1
2	1.62B	1.57B	1.24B	1.53B	4.90	4.37	8.19	7.84	4.71	5.31	3.48B	2.62B	2
3	1.61B	1.55B	1.25B	1.54B	5.06	4.01	11.4	8.65	4.33	5.34	3.58B	2.59B	3
4	1.60B	1.53B	1.27B	1.58B	4.58	3.93	14.0	8.53	4.19	5.40	3.62B	2.56B	4
5	1.60B	1.51B	1.30B	1.67B	3.87	3.98	26.6	7.86	4.55	5.41	3.53B	2.53B	5
6	1.60B	1.49B	1.33B	1.81B	3.48	4.72	41.2 A	7.19	4.87	4.99	3.41B	2.50B	6
7	1.60B	1.48B	1.35B	2.01B	3.39	6.03	31.4	6.67	4.81	4.74	3.41B	2.44B	7
8	1.61B	1.47B	1.38B	2.65B	3.53	6.33	23.7	6.33	4.55	4.52	3.46B	2.40B	8
9	1.62B	1.48B	1.41B	3.55B	3.63	6.10	19.9	5.88	4.28	4.32	3.52B	2.37B	9
10	1.63B	1.49B	1.44B	4.52B	3.54	6.08	16.7	5.56	3.90	4.16	3.56B	2.35B	10
11	1.64B	1.50B	1.46B	6.20B	3.49	5.76	14.3	5.74	3.80	4.08	3.29B	2.31B	11
12	1.65B	1.52B	1.48B	10.8 B	3.68	6.02	12.8	6.16	3.85	4.02	3.15B	2.28B	12
13	1.66B	1.54B	1.48B	19.2 B	3.90	5.75	13.6	6.14	3.82	3.91	3.11B	2.24B	13
14	1.66B	1.55B	1.48B	24.2 B	4.09	4.89	13.6	5.93	3.89	3.90	3.08B	2.22B	14
15	1.65B	1.56B	1.47B	19.8 B	4.20	4.28	14.3	7.06	3.93	3.73	3.05B	2.20B	15
16	1.65B	1.56B	1.48B	16.0 B	4.97	4.05	15.0	7.25	3.88	3.66	3.02B	2.19B	16
17	1.63B	1.55B	1.50B	16.6 B	5.25	3.97	12.9	6.26	4.14	3.67	3.00B	2.19B	17
18	1.61B	1.54B	1.52B	16.4 B	5.27	3.78	11.4	5.70	4.75	3.69	2.98B	2.18B	18
19	1.59B	1.53B	1.55B	14.8 B	4.78	3.41	10.4	5.29	4.47	3.61	2.96B	2.16B	19
20	1.57B	1.51B	1.58B	12.5 B	4.36	3.17	10.3	5.04	4.19	3.52	2.92B	2.14B	20
21	1.56B	1.48B	1.61B	11.0 B	3.98	3.15	13.3	4.93	3.99	3.55	2.89B	2.12B	21
22	1.56B	1.46B	1.64B	10.8 B	3.61	4.00	16.2	4.72	3.85	3.60	2.87B	2.12B	22
23	1.57B	1.41B	1.66B	11.4 B	3.52	3.88	16.6	4.61	3.72	3.56	2.85B	2.10B	23
24	1.59B	1.37B	1.68B	13.0 B	3.56	4.15	13.5	4.68	3.59	3.55	2.83B	2.10B	24
25	1.61B	1.34B	1.69B	13.5 B	3.55	4.36	11.6	4.71	3.49	3.50	2.83B	2.09B	25
26	1.63B	1.31B	1.70B	9.05	3.41	4.40	10.5	5.12	3.89	3.44	2.82B	2.08B	26
27	1.65B	1.29B	1.70B	7.81	4.12	4.68	9.98	6.34	5.48	3.42	2.79B	2.07B	27
28	1.65B	1.27B	1.69B	6.27	7.19	5.26	9.38	6.16	5.95	3.45	2.75B	2.05B	28
29	1.64B		1.68B	5.99	7.98	8.99	8.86	6.17	5.64	3.45B	2.71B	2.03B	29
30	1.62B		1.64B	5.55	6.63	8.02	8.93	5.86	5.70	3.47B	2.68B	2.02B	30
31	1.61B		1.60B		5.62		8.74	5.47		3.54B		2.00B	31
TOTAL	50.12	41.43	46.51	273.28	138.40	146.51	457.59	192.02	131.36	126.11	93.53	69.90	TOTAL
MEAN	1.62	1.48	1.50	9.11	4.46	4.88	14.8	6.19	4.38	4.07	3.12	2.25	MEAN
MAX	1.66	1.59	1.70	24.2	7.98	8.99	41.2	8.65	5.95	5.60	3.62	2.65	MAX
MIN	1.56	1.27	1.24	1.53	3.39	3.15	8.19	4.61	3.49	3.42	2.68	2.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.84
MAXIMUM DAILY, 41.2A ON JUL 6
MINIMUM DAILY, 1.24B ON MAR 2

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 20 N
LONG 114 55 50 W
DRAINAGE AREA, 860 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 330	JUL	39 500
FEB	3 580	AUG	16 600
MAR	4 020	SEP	11 300
APR	23 600	OCT	10 900
MAY	12 000	NOV	8 080
JUN	12 700	DEC	6 040

TOTAL DISCHARGE, 153 000 dam³

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.192	0.033	0.002E	0.004	0.130	0.035E	---	---	1
2	---	---	0B	0 B	0.147	0.031	0.003	0.017	0.055	0.025E	---	---	2
3	---	---	0B	0 B	0.130	0.029	0.015	0.077	0.016	0.015E	---	---	3
4	---	---	0B	0 B	0.113	0.026	0.052	0.115	0.014	0.008E	---	---	4
5	---	---	0B	0 B	0.089	0.027	0.085	0.149	0.019	0.050E	---	---	5
6	---	---	0B	0 B	0.102	0.028	0.083	0.113	0.024	0.015E	---	---	6
7	---	---	0B	0 B	0.086	0.027	0.059	0.103	0.016	0.007	---	---	7
8	---	---	0B	0 B	0.074	0.020	0.051	0.090	0.012	0.008	---	---	8
9	---	---	0B	0 B	0.060	0.022	0.044	0.067	0.009	0.010	---	---	9
10	---	---	0B	0 B	0.051	0.016	0.037	0.048	0.018	0.007	---	---	10
11	---	---	0B	0 B	0.046	0.014	0.030	0.037	0.014	0.008	---	---	11
12	---	---	0B	0.001B	0.038	0.010	0.023	0.028	0.013	0.009	---	---	12
13	---	---	0B	0.002B	0.036	0.010	0.015	0.022	0.009	0.008	---	---	13
14	---	---	0B	0.003B	0.031	0.010	0.015	0.021	0.008	0.006	---	---	14
15	---	---	0B	0.004B	0.026	0.008	0.030	0.018	0.009	0.005	---	---	15
16	---	---	0B	0.005B	0.025	0.005	0.033	0.019	0.013	0.006	---	---	16
17	---	---	0B	0.020B	0.025	0.003	0.035	0.015	0.009	0.054	---	---	17
18	---	---	0B	0.050B	0.025	0.003E	0.022	0.012	0.008	0.023	---	---	18
19	---	---	0B	0.269B	0.031	0.003E	0.019	0.010	0.008	0.013	---	---	19
20	---	---	0B	0.240B	0.043	0.003E	0.015	0.008	0.007	0.008	---	---	20
21	---	---	0B	0.210B	0.038	0.003E	0.011	0.006	0.007	0.008	---	---	21
22	---	---	0B	0.200B	0.035	0.003E	0.039	0.005	0.010	0.008	---	---	22
23	---	---	0B	0.300B	0.125	0.003E	0.070	0.005	0.008	0.009	---	---	23
24	---	---	0B	0.425B	0.154	0.003E	0.065	0.005	0.006	0.011	---	---	24
25	---	---	0B	0.500B	0.110	0.003E	0.047	0.006	0.006E	0.022	---	---	25
26	---	---	0B	0.431B	0.085	0.002E	0.038	0.005	0.006E	0.016A	---	---	26
27	---	---	0B	0.363B	0.072	0.002E	0.033	0.005	0.010E	0.015E	---	---	27
28	---	---	0B	0.318B	0.053	0.002E	0.030	0.012	0.020E	0.015E	---	---	28
29	---		0B	0.217	0.043	0.002E	0.018	0.007	0.050E	0.015E	---	---	29
30	---		0B	0.207	0.040	0.002E	0.016	0.052	0.045E	0.015E	---	---	30
31	---		0B		0.036		0.014	0.096		0.015E		---	31
TOTAL	---	---	0	3.765	2.161	0.353	1.049	1.177	0.579	0.549	---	---	TOTAL
MEAN	---	---	0	0.126	0.070	0.012	0.034	0.038	0.019	0.018	---	---	MEAN
MAX	---	---	0	0.500	0.193	0.033	0.085	0.149	0.130	0.088	---	---	MAX
MIN	---	---	0	0	0.025	0.002	0.002	0.004	0.006	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.500B ON APR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.750B AT 11:00 MST ON APR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 20 N
LONG 111 13 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	90.6
FEB	---	AUG	102
MAR	0	SEP	50.0
APR	325	OCT	47.4
MAY	187	NOV	---
JUN	30.5	DEC	---

TOTAL DISCHARGE, 833 dam³

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.433B	0.388B	1.70B	6.40E	6.39	1.15 E	0.551	0.625	0.521B	---	1
2	---	---	0.419B	0.395B	2.00B	7.00E	5.57	1.10 E	0.537	0.615	0.567B	---	2
3	---	---	0.384B	0.377B	2.30B	8.10E	5.20E	1.05 E	0.524	0.623	0.493B	---	3
4	---	---	0.377B	0.368B	2.40B	9.00E	4.95E	1.00 E	0.823	0.600	0.479B	---	4
5	---	---	0.380B	0.363B	2.49A	9.60E	4.50E	0.950E	0.794	0.577	0.465B	---	5
6	---	---	0.400B	0.356B	2.38E	9.00E	4.00E	0.900E	0.624	0.570	---	---	6
7	---	---	0.436B	0.357B	2.50E	8.30E	3.77E	0.850E	0.581	0.563	---	---	7
8	---	---	0.470B	0.360B	2.70E	7.70E	3.48A	0.800E	0.559	0.550	---	---	8
9	---	---	0.420B	0.390B	2.35E	7.96A	3.22E	0.900E	0.548	0.534	---	---	9
10	---	---	0.457B	0.412B	2.15E	9.93	3.00E	0.950E	0.599	0.536	---	---	10
11	---	---	0.477B	0.450B	2.70E	12.9	2.80E	0.880E	0.591	0.533	---	---	11
12	---	---	0.470B	0.477B	4.60E	14.8	2.60E	0.814A	0.596	0.528	---	---	12
13	---	---	0.467B	0.442B	7.40E	16.2	2.45E	0.772	0.631	0.523	---	---	13
14	---	---	0.468B	0.453B	9.20E	17.8	2.30E	0.875	0.603	0.518	---	---	14
15	---	---	0.470B	0.468B	10.3	18.8	2.27E	0.778	0.588	0.518	---	---	15
16	---	---	0.442B	0.487B	10.0	18.9	2.20E	0.709	0.598	0.511	---	---	16
17	---	---	0.420B	0.515B	8.75	16.3	2.10E	0.685	0.577	0.512	---	---	17
18	---	---	0.400B	0.520B	9.60	13.9	2.00E	0.667	0.553	0.511	---	---	18
19	---	---	0.370B	0.530B	8.99	13.0	1.90E	0.653	0.531	0.464	---	---	19
20	---	---	0.371B	0.540B	9.42	12.6	1.80E	0.645	0.521	0.489	---	---	20
21	---	---	0.398B	0.600B	10.5	11.4	1.73E	0.630	0.518	0.496	---	---	21
22	---	---	0.408B	0.700B	11.7	10.6	1.66E	0.621	0.517	0.526	---	---	22
23	---	0.433B	0.413B	0.800B	11.4	9.17	1.59E	0.623	0.504	0.991	---	---	23
24	---	0.392B	0.423B	0.900B	11.9	8.33	1.52E	0.614	0.501	0.737	---	---	24
25	---	0.378B	0.427B	1.01 B	14.0	7.96	1.45E	0.590	0.493	0.652	---	---	25
26	---	0.365B	0.423B	1.01 B	13.3	7.88	1.40E	0.659	0.778	0.623	---	---	26
27	---	0.360B	0.420B	1.10 B	12.0 E	9.01	1.35E	0.634	0.702	0.606	---	---	27
28	---	0.384B	0.418B	1.15 B	10.5 E	8.05	1.30E	0.587	0.672	0.583	---	---	28
29	---		0.416B	1.30 B	8.30E	6.92	1.25E	0.592	0.661	0.564	---	---	29
30	---		0.394B	1.50 B	6.40E	7.58	1.18E	0.609	0.630	0.549B	---	---	30
31	---		0.383B		6.00E		1.20E	0.571		0.535B		---	31
TOTAL	---	---	13.059	18.710	219.93	325.09	82.13	23.858	17.985	17.752	---	---	TOTAL
MEAN	---	---	0.421	0.624	7.09	10.8	2.65	0.770	0.597	0.573	---	---	MEAN
MAX	---	---	0.477	1.50	14.0	18.9	6.39	1.15	0.823	0.991	---	---	MAX
MIN	---	---	0.370	0.356	1.70	6.40	1.18	0.571	0.493	0.464	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.93
MAXIMUM DAILY, 18.9 ON JUN 16
MINIMUM DAILY, 0.356B ON APR 6
MAXIMUM INSTANTANEOUS,
20.6 AT 21:41 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 18 N
LONG 114 25 06 W
DRAINAGE AREA, 217 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 100
FEB	---	AUG	2 060
MAR	1 130	SEP	1 550
APR	1 620	OCT	1 530
MAY	19 000	NOV	---
JUN	28 100	DEC	---

TOTAL DISCHARGE, 62 100 dam³

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.50B	3.10B	2.85B	2.30B	3.23	45.6	48.3	22.0	12.6 E	11.1	8.90	6.25B	1
2	2.48B	3.06B	2.79B	2.26B	2.92	46.5	47.5	21.5	12.1 E	11.3	7.94	6.20B	2
3	2.46B	3.01B	2.75B	2.32B	3.51	48.0	56.3	19.1	11.2 E	12.2	7.91	6.20B	3
4	2.44B	2.95B	2.73B	2.19B	2.69	46.8	87.6	17.3	11.5 E	12.4	8.75	6.25B	4
5	2.43B	2.86B	2.74B	2.18B	2.47	50.6	123	16.3	12.1 E	11.7	8.70	6.15B	5
6	2.40B	2.80B	2.75B	2.12B	2.69	48.0	126	15.5	12.5 E	11.4	8.20	5.70B	6
7	2.38B	2.76B	2.79B	2.08B	3.12	35.0	119	14.5	12.2 E	11.3	7.55	5.25B	7
8	2.38B	2.75B	2.79B	2.05B	2.94	33.7	112	14.2	11.8 E	10.9	7.38	4.96B	8
9	2.41B	2.75B	2.78B	2.26B	2.95	40.8	93.0	14.0	11.6 E	10.5	6.72	4.82B	9
10	2.56B	2.76B	2.72B	3.41B	3.18	46.5	77.9	14.0	12.0 E	10.6	6.65B	4.80B	10
11	2.68B	2.79B	2.69B	4.70B	4.04	48.5	66.6	13.8	12.8 E	10.5	6.75B	4.80B	11
12	2.79B	2.89B	2.62B	5.74B	5.52	48.2	59.0	13.6	12.2 E	10.4	6.70B	4.91B	12
13	2.88B	2.93B	2.60B	9.98B	5.98	46.4	53.6	12.8	11.5 E	10.3	6.50B	4.93B	13
14	2.78B	3.00B	2.68B	12.0 B	6.45	47.0	49.5	16.9	10.8 E	10.2	6.20B	4.90B	14
15	2.76B	3.07B	2.60B	11.2 B	7.46	47.0	47.9	16.8	10.4	10.2	5.85B	4.65B	15
16	2.69B	3.16B	2.57B	9.90B	9.41	43.8	40.2	14.0	10.7	10.2	6.40B	4.62B	16
17	2.63B	3.19B	2.68B	10.7 B	9.87	38.7	34.6	13.4	10.3	10.3	6.80B	4.22B	17
18	2.56B	3.17B	2.60B	10.5 B	10.9	32.4	31.1	13.1	10.0	10.1	7.00B	4.05B	18
19	2.57B	3.07B	2.38B	10.0 B	10.8	33.7	27.3	12.7	9.82	9.85	7.10B	4.00B	19
20	2.55B	3.02B	2.40B	9.70B	9.79	34.0	30.1	12.4	9.68	9.45	5.35B	4.30B	20
21	2.57B	2.98B	2.41B	12.3 B	10.7	32.6	53.8	12.6	9.58	9.70	4.96B	4.58B	21
22	2.62B	2.96B	2.37B	16.2 B	13.3	33.0	53.0	12.6	9.53	9.91	4.92B	4.60B	22
23	2.75B	2.95B	2.35B	20.2 B	14.0	41.9	43.0	13.1E	9.44	10.2	4.95B	4.35B	23
24	2.94B	2.95B	2.36B	22.2 B	13.1	35.1	35.3	12.8E	9.36	10.0	5.05B	4.20B	24
25	3.07B	2.96B	2.39B	18.0 B	26.1	30.6	32.3	12.5E	9.28	9.78	5.65B	4.10B	25
26	3.10B	2.98B	2.43B	14.3 B	18.8	37.6	31.6	12.9E	10.2	9.59	6.25B	4.01B	26
27	3.08B	3.00B	2.47B	11.9 B	17.5	39.7	27.8	13.3E	11.6	9.44	7.00B	3.99B	27
28	3.00B	3.02B	2.51B	12.8 B	17.5	55.6	25.6	13.9E	10.8	9.08	7.00B	3.98B	28
29	2.96B		2.48B	13.0 B	17.4	53.6	24.4	14.5E	11.9	8.99	6.52B	3.98B	29
30	3.02B		2.40B	5.40B	21.1	50.1	25.0	13.7E	11.3	8.12	6.35B	3.97B	30
31	3.08B		2.38B		31.9		22.4	13.0E		8.33		3.98B	31
TOTAL	83.44	82.89	79.58	263.81	311.32	1 279.8	1 703.5	453.8	330.77	318.04	202.00	147.40	TOTAL
MEAN	2.69	2.96	2.57	8.79	10.0	42.7	55.0	14.6	11.0	10.3	6.73	4.75	MEAN
MAX	3.10	3.19	2.85	22.2	31.9	55.6	126	22.0	12.8	12.4	8.90	6.25	MAX
MIN	2.38	2.75	2.35	2.05	2.47	32.4	22.4	12.4	9.28	8.12	4.92	3.98	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.4
MAXIMUM DAILY, 126 ON JUL 6
MINIMUM DAILY, 2.05B ON APR 8
MAXIMUM INSTANTANEOUS,
129 AT 08:43 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 55 N
LONG 115 25 33 W
DRAINAGE AREA, 1 860 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 210	JUL	147 000
FEB	7 160	AUG	39 100
MAR	6 880	SEP	33 000
APR	23 000	OCT	27 500
MAY	26 900	NOV	17 500
JUN	111 000	DEC	12 700

TOTAL DISCHARGE, 454 000 dam³

RAT CREEK NEAR CYPRESS - STATION NO. 07BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.300B	0.420B	6.38B	1.83	4.34	2.76	3.10	2.58	1.58B	---	1
2	---	---	0.300B	0.420B	6.71B	1.72	4.55	2.59	2.83	2.76	---	---	2
3	---	---	0.300B	0.420B	6.60B	1.58	8.85	2.48	2.55	4.11	---	---	3
4	---	---	0.300B	0.420B	6.50B	1.63	30.2	2.35	2.61	5.23	---	---	4
5	---	---	0.300B	0.420B	6.40B	1.85	46.3	2.20	6.53	4.71	---	---	5
6	---	---	0.310B	0.450B	6.30B	4.73	74.0	2.24	7.44	4.15	---	---	6
7	---	---	0.310B	0.450B	6.30B	7.55	99.7	1.88	6.62	3.88	---	---	7
8	---	---	0.310B	0.450B	6.16	7.01	100	1.59	5.37	3.70	---	---	8
9	---	---	0.310B	0.450B	5.80	6.18	74.3	1.58	4.59	3.35	---	---	9
10	---	---	0.310B	0.450B	6.08	5.70	52.0	1.36	4.23	3.11	---	---	10
11	---	---	0.330B	0.480B	4.29	5.49	37.6	1.33	3.89	2.93	---	---	11
12	---	---	0.330B	0.480B	3.99	5.08	29.6	1.49	3.47	2.76	---	---	12
13	---	---	0.330B	0.480B	3.98	4.27	31.0	1.83	3.15	2.68	---	---	13
14	---	---	0.330B	0.480B	4.19	3.61	33.7	1.70	2.81	2.47	---	---	14
15	---	---	0.330B	0.480B	3.98	3.16	40.1	1.52	2.59	2.48	---	---	15
16	---	---	0.360B	0.500B	4.17	2.99	39.5	1.52	2.48	2.25	---	---	16
17	---	---	0.360B	0.500B	5.14	2.59	39.4	1.69	2.34	2.15	---	---	17
18	---	---	0.360B	0.500B	5.21	2.28	34.8	1.88	2.17	2.12	---	---	18
19	---	---	0.360B	0.500B	5.79	2.01	28.3	1.72	2.00	1.99B	---	---	19
20	---	---	0.360B	1.10 B	5.88	1.99	24.4	1.54	1.84	1.93B	---	---	20
21	---	---	0.380B	3.80 B	5.83	1.91	21.9	1.56	1.73	1.82B	---	---	21
22	---	---	0.380B	4.81 B	4.36	1.76	19.8	1.59	1.64	1.75B	---	---	22
23	---	---	0.380B	7.10 B	4.20	1.59	15.4	1.55	1.57	1.82	---	---	23
24	---	---	0.380B	8.60 B	4.20	1.58	12.1	1.45	1.54	1.89	---	---	24
25	---	---	0.380B	8.80 B	3.66	1.58	10.0	1.60	1.43	1.92	---	---	25
26	---	---	0.400B	8.30 B	3.29	1.47	8.50	2.15	1.46	1.91	---	---	26
27	---	---	0.400B	6.27 B	3.05	1.42	7.56	2.57	1.86	1.88	---	---	27
28	---	---	0.400B	6.20 B	2.88	2.76	6.64	2.57	2.60	1.82	---	---	28
29	---		0.400B	6.64 B	2.52	5.45	5.79	2.94	2.66	1.70B	---	---	29
30	---		0.400B	6.57 B	2.26	4.92	4.75	3.14	2.62	1.60B	---	---	30
31	---		0.400B		2.01		3.27	3.27		1.55B		---	31
TOTAL	---	---	10.800	76.940	145.74	97.50	947.55	61.46	89.80	88.82	---	---	TOTAL
MEAN	---	---	0.348	2.56	4.70	3.25	30.6	1.98	2.99	2.61	---	---	MEAN
MAX	---	---	0.400	8.80	6.71	7.55	100	3.27	7.44	5.23	---	---	MAX
MIN	---	---	0.300	0.420	2.01	1.42	3.27	1.33	1.43	1.55	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.17
MAXIMUM DAILY, 100 ON JUL 8
MINIMUM DAILY, 0.300B ON MAR 1
MAXIMUM INSTANTANEOUS,
111 AT 05:30 MST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 17 N
LONG 115 29 17 W
DRAINAGE AREA, 606 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	81 900
FEB	---	AUG	5 310
MAR	933	SEP	7 760
APR	6 650	OCT	6 980
MAY	12 600	NOV	---
JUN	8 420	DEC	---

TOTAL DISCHARGE, 131 000 dam³

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02 B	1.18B	1.15B	1.63B	3.00	2.40	1.86	3.09	1.93	2.20	1.95B	1.38B	1
2	1.02 B	1.13B	1.14B	1.65B	2.82	2.14	2.06	2.67	1.89	2.11	1.76B	1.34B	2
3	1.03 B	1.09B	1.12B	1.62B	2.63	2.18	3.46	2.53	1.78	2.11	1.93B	1.33B	3
4	1.06 B	1.05B	1.11B	1.56B	2.45	1.99	6.11	2.50	1.81	2.17	2.00B	1.28B	4
5	1.09 B	1.03B	1.11B	1.49B	2.26	2.20	13.0	2.53	1.97	2.10	1.88B	1.24B	5
6	1.12 B	1.03B	1.12B	1.44B	2.07	2.95	15.2	2.64	2.05	2.01	1.62B	1.19B	6
7	1.15 B	1.02B	1.13B	1.44B	2.03	3.59	12.3	2.52	2.04	1.90	1.68B	1.15B	7
8	1.17 B	1.03B	1.14B	1.47B	2.05	3.71	9.23	2.27	1.88	1.79	1.80B	1.11B	8
9	1.20 B	1.06B	1.14B	1.53B	1.99	3.40	6.39	2.17	1.79	1.73	1.62B	1.09B	9
10	1.23 B	1.09B	1.17B	1.59B	1.92	3.13	4.89	2.12	1.76	1.70	1.84B	1.08B	10
11	1.24 B	1.13B	1.17B	1.67B	2.29	3.28	3.80	2.00	1.75	1.68	1.87B	1.09B	11
12	1.25 B	1.13B	1.16B	1.85B	2.34	2.69	3.03	1.95	1.82	1.66	1.51B	1.10B	12
13	1.24 B	1.13B	1.15B	2.66B	2.19	2.39	2.68	1.82	1.82	1.61	1.54B	1.11B	13
14	1.20 B	1.12B	1.17B	3.42B	2.10	2.06	2.56	1.95	1.75	1.65	1.55B	1.14B	14
15	1.16 B	1.14B	1.21B	4.11B	2.10	1.85	2.56	2.04	1.71	1.56	1.56B	1.18B	15
16	1.13 B	1.18B	1.23B	3.97B	2.18	1.81	2.64	2.11	1.98	1.55	1.54B	1.18B	16
17	1.09 B	1.19B	1.32B	3.85B	2.24	1.82	2.54	2.03	1.82	1.53	1.52B	1.18B	17
18	1.05 B	1.20B	1.22B	4.46B	2.24	1.78	2.57	1.91	1.73	1.49	1.48B	1.17B	18
19	1.02 B	1.19B	1.23B	5.60B	2.26	1.64	2.44	1.82	1.66	1.45B	1.05B	1.16B	19
20	1.00 B	1.17B	1.24B	5.48B	2.12	1.49	2.83	1.77	1.57	1.44B	1.01B	1.15B	20
21	0.980B	1.16B	1.28B	5.48B	1.99	1.37	5.92	1.76	1.51	1.53B	1.39B	1.15B	21
22	0.990B	1.14B	1.34B	5.80B	1.89	1.38	8.05	1.81	1.48	1.66B	1.48B	1.14B	22
23	1.01 B	1.13B	1.39B	6.62B	1.87	1.52	6.65	1.85	1.48	1.55B	1.40B	1.15B	23
24	1.08 B	1.12B	1.45B	5.83B	1.92	1.56	4.91	1.87	1.44	1.51	1.39B	1.18B	24
25	1.16 B	1.13B	1.51B	7.05	1.95	1.71	3.90	1.90	1.40	1.54	1.37B	1.20B	25
26	1.18 B	1.13B	1.56B	5.28	2.05	1.68	3.68	2.06	1.64	1.45	1.35B	1.23B	26
27	1.17 B	1.14B	1.63B	4.97	2.38	1.60	3.18	2.24	2.22	1.42	1.33B	1.23B	27
28	1.14 B	1.15B	1.65B	4.52	3.14	1.72	2.88	2.24	2.09	1.40	1.32B	1.23B	28
29	1.13 B		1.65B	3.78	4.00	1.84	2.58	2.17	2.04	1.34B	1.33B	1.25B	29
30	1.15 B		1.63B	3.04	3.36	2.04	2.56	2.14	2.38	1.38B	1.33B	1.27B	30
31	1.18 B		1.62B		2.84		2.69	2.11		1.62B		1.28B	31
TOTAL	34.630	31.37	40.84	104.71	72.67	64.93	169.13	66.69	54.91	51.82	45.36	36.91	TOTAL
MEAN	1.12	1.12	1.32	3.49	2.34	2.16	4.81	2.15	1.83	1.67	1.51	1.19	MEAN
MAX	1.25	1.20	1.65	7.05	4.00	3.71	15.2	3.09	2.49	2.38	2.00	1.35	MAX
MIN	0.980	1.02	1.11	1.44	1.87	1.37	1.86	1.76	1.40	1.34	1.33	1.08	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.06
MAXIMUM DAILY, 15.2 ON JUL 6
MINIMUM DAILY, 0.980B ON JAN 31
MAXIMUM INSTANTANEOUS,
15.6 AT 11:35 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 05 20 N
LONG 114 28 35 W
DRAINAGE AREA, 655 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 090	JUL	12 900
FEB	2 710	AUG	5 740
MAR	3 460	SEP	4 740
APR	9 050	OCT	4 460
MAY	6 300	NOV	3 930
JUN	5 610	DEC	3 190

TOTAL DISCHARGE, 65 100 dam³

BAY CREEK NEAR INNISFAIL - STATION NO. 05CB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.020B	0.006	0.002	0.005	0.006	0.002	0.001	---	---	1
2	---	---	0 B	0.015B	0.007	0	0.012	0.006	0	0.001	---	---	2
3	---	---	0 B	0.010B	0.006	0	0.079	0.005	0	0.002	---	---	3
4	---	---	0 B	0.008B	0.003	0	0.107	0.003	0.001	0.005	---	---	4
5	---	---	0 B	0.008B	0.001	0	0.204	0.001	0.006	0.022	---	---	5
6	---	---	0 B	0.007B	0	0.006	0.283	0	0.023	0.035	---	---	6
7	---	---	0 B	0.001B	0	0.007	0.206	0	0.011	0.014	---	---	7
8	---	---	0 B	0.001B	0	0.006	0.136	0	0.004	0.006	---	---	8
9	---	---	0 B	0.001B	0	0.006	0.078	0	0.001	0.010	---	---	9
10	---	---	0 B	0.137B	0	0.005	0.045	0	0	0.010	---	---	10
11	---	---	0 B	0.572B	0	0.014	0.023	0	0	0.003	---	---	11
12	---	---	0 B	0.528	0	0.014	0.012	0.003	0	0.001	---	---	12
13	---	---	0 B	1.60	0	0.005	0.008	0.003	0	0	---	---	13
14	---	---	0 B	2.14	0	0.001	0.007	0.023	0	0	---	---	14
15	---	---	0 B	1.34	0	0	0.005	0.008	0	0	---	---	15
16	---	---	0 B	0.880	0	0	0.002	0.006	0	0	---	---	16
17	---	---	0 B	0.607	0	0	0	0.004	0	0	---	---	17
18	---	---	0 B	0.557	0	0	0.002	0.001	0	0.001	---	---	18
19	---	---	0 B	0.418	0.003	0	0.004	0	0	0.001	---	---	19
20	---	---	0 B	0.266	0.007	0	0.005	0	0	0	---	---	20
21	---	---	0 B	0.236	0.007	0	0.022	0	0	0	---	---	21
22	---	---	0 B	0.278	0.005	0	0.045	0	0	0.005	---	---	22
23	---	---	0 B	0.468	0.004	0	0.041	0	0	0.006	---	---	23
24	---	---	0 B	0.419	0.003	0	0.030	0	0	0.004	---	---	24
25	---	---	0 B	0.155	0.003	0	0.020	0	0	0.003A	---	---	25
26	---	---	0 B	0.059	0.002	0	0.017	0	0	0.002E	---	---	26
27	---	---	0 B	0.035	0.004	0.001	0.022	0	0	0.002E	---	---	27
28	---	---	0 B	0.015	0.007	0.004	0.011	0.002	0	0.002E	---	---	28
29	---		0.006B	0.009	0.007	0.003	0.004	0.005	0	0.001E	---	---	29
30	---		0.001B	0.006	0.009	0.003	0.010	0.006	0.001	0.001E	---	---	30
31	---		0.010B		0.006		0.011	0.003		0.001E		---	31
TOTAL	---	---	0.017	10.797	0.087	0.077	1.464	0.145	0.049	0.139	---	---	TOTAL
MEAN	---	---	0.001	0.360	0.003	0.003	0.047	0.005	0.002	0.004	---	---	MEAN
MAX	---	---	0.010	2.14	0.009	0.014	0.283	0.063	0.023	0.035	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 2.14 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.97 AT 11:11 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 03 N
LONG 113 35 55 W
DRAINAGE AREA, 62.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	126
FEB	---	AUG	12.5
MAR	1.47	SEP	4.23
APR	933	OCT	12.0
MAY	7.52	NOV	---
JUN	6.65	DEC	---

TOTAL DISCHARGE, 1 100 dam³

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.080	3.60	16.7	35.3	24.8	13.2	8.76	---	---	1
2	---	---	---	2.880	4.01	19.6	33.2	23.4	13.1	8.91	---	---	2
3	---	---	---	2.880	4.08	24.1	30.1	20.2	15.2	9.09	---	---	3
4	---	---	---	2.880	3.52	27.1	31.6	17.9	10.7	8.85	---	---	4
5	---	---	---	2.880	3.18	25.6	31.8	16.0	21.0	8.34	---	---	5
6	---	---	---	2.880	3.06	22.9	35.0	15.7	17.6	8.15	---	---	6
7	---	---	---	2.880	3.19	17.4	35.1	17.0	16.4	7.95	---	---	7
8	---	---	---	2.950	2.98	14.9	29.3	18.0	17.1	7.69	---	---	8
9	---	---	---	2.890	3.04	16.5	26.6	19.9	17.7	7.09	---	---	9
10	---	---	---	2.610	2.97	22.1	24.6	21.8	18.4	7.14	---	---	10
11	---	---	---	2.61B	3.46	30.1	23.3	21.2	15.1	6.93	---	---	11
12	---	---	---	2.71B	4.50	37.3	22.8	19.3	13.1	6.75	---	---	12
13	---	---	---	2.75B	4.83	39.3	21.8	16.1	11.8	6.66	---	---	13
14	---	---	---	2.70B	5.31	46.6	23.0	14.7	10.6	6.61	---	---	14
15	---	---	---	2.79B	6.48	48.5	23.9	13.2	10.1	6.72	---	---	15
16	---	---	---	2.76B	7.83	47.4	19.1	12.1	9.81	6.82	---	---	16
17	---	---	---	2.98B	10.1	42.1	17.1	12.2	9.33	6.96	---	---	17
18	---	---	---	2.88B	11.9	38.6	16.7	13.6	9.13	6.85	---	---	18
19	---	---	---	2.88B	10.8	41.9	18.7	13.5	9.08	6.49	---	---	19
20	---	---	---	2.96B	10.4	44.1	27.0	13.1	8.88	6.13	---	---	20
21	---	---	---	3.31	11.7	43.6	46.6	14.7	8.89	6.19	---	---	21
22	---	---	---	4.09	15.3	44.1	38.6	15.1	8.82	6.38	---	---	22
23	---	---	---	4.39	15.5	43.3	28.5	15.0	8.89	6.56	---	---	23
24	---	---	---	3.99	14.1	35.9	23.6	14.0	8.77	6.39	---	---	24
25	---	---	---	3.65	20.6	37.4	22.5	14.0	8.67	6.14	---	---	25
26	---	---	---	3.45	17.8	37.7	22.7	16.4	10.2	6.03	---	---	26
27	---	---	---	3.57	13.7	48.3	21.9	16.5	9.93	5.98	---	---	27
28	---	---	---	3.92	11.1	43.2	22.3	18.7	9.46	5.88A	---	---	28
29	---		---	3.89	9.82	36.5	23.3	17.8	9.96	5.70E	---	---	29
30	---		---	3.82	9.09	34.8	23.9	16.9	8.88	5.70E	---	---	30
31	---		---		11.9		25.0	16.3		5.70E		---	31
TOTAL	---	---	---	93.23	363.73	1 010.8	822.5	519.2	367.23	215.14	---	---	TOTAL
MEAN	---	---	---	3.11	8.51	36.8	26.5	16.6	12.2	6.94	---	---	MEAN
MAX	---	---	---	4.39	20.6	48.5	46.6	24.8	21.0	9.09	---	---	MAX
MIN	---	---	---	2.59	2.84	14.9	16.7	12.1	8.67	5.70	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.4
MAXIMUM DAILY, 48.5 ON JUN 15
MINIMUM DAILY, 2.590 ON APR 9
MAXIMUM INSTANTANEOUS,
50.0 AT 03:43 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 33 N
LONG 115 24 25 W
DRAINAGE AREA, 943 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	71 100
FEB	---	AUG	66 600
MAR	---	SEP	31 700
APR	1 000	OCT	10 000
MAY	22 000	NOV	---
JUN	66 000	DEC	---

TOTAL DISCHARGE, 385 000 dam³

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.00B	4.80B	6.12B	18.0B	110	71.0	127	96.4	55.2	47.3	28.9	7.19B	1
2	6.80B	4.70B	6.00B	17.0B	94.5	66.5	126	93.2	51.0	46.0	26.6	7.28B	2
3	7.00B	4.60B	6.40B	20.0B	83.2	67.9	130	89.5	47.4	46.9	26.7	6.94B	3
4	7.00B	4.50B	6.00B	19.1B	73.8	70.6	151	89.8	46.2	47.2	28.0 B	6.95B	4
5	7.00B	4.40B	5.79B	20.5B	68.4	72.7	199	85.2	48.4	46.7	18.9	7.17B	5
6	7.00B	4.30B	5.51B	21.3B	62.3	83.6	323	79.2	46.8	48.3	18.4	8.11B	6
7	6.17B	4.30B	6.17B	16.4B	58.0	79.8	464	72.0	48.3	51.7	20.5 B	8.78B	7
8	6.50B	4.40B	6.65B	15.4B	55.1	89.8	595	68.6	50.7	49.9	21.9 B	9.28B	8
9	7.50B	4.50B	7.29B	17.2B	49.4	98.6	378	69.3	55.1	48.7	17.2 B	9.47B	9
10	8.00B	4.80B	7.58B	22.0B	48.5	94.9	330	66.3	52.5	45.7	18.8 B	9.02B	10
11	8.50B	5.90B	8.02B	51.8B	45.0	92.7	287	64.7	49.0	43.8	19.4 B	9.04B	11
12	10.4 B	5.30B	9.01B	53.4B	41.7	97.0	245	58.3	47.5	40.1	13.5 B	9.02B	12
13	9.00B	5.00B	8.66B	51.7B	40.7	101	206	55.8	46.2	38.0	12.5 B	9.09B	13
14	8.50B	5.50B	9.32B	75.0B	45.0	105	153	53.5	43.8	36.8	11.5 B	9.09B	14
15	8.50B	6.20B	10.9 B	69.0B	56.9	105	125	53.4	40.9	35.1	10.6 B	8.85B	15
16	8.00B	7.20B	11.9 B	91.2B	56.0	105	113	52.7	40.1	34.3	11.5 B	9.00B	16
17	7.50B	9.80B	11.0 B	203 B	54.1	112	126	49.6	38.3	33.4	13.0 B	9.00B	17
18	7.25B	8.56B	9.88B	154 B	56.1	109	113	48.2	36.4	33.3	13.0 B	9.00B	18
19	7.00B	7.80B	10.0 B	224 B	67.0	104	98.5	46.9	35.8	32.6	11.5 B	9.00B	19
20	6.50B	6.06B	9.09B	142	66.1	91.1	93.6	44.9	35.0	32.4	11.0 B	8.88B	20
21	6.00B	5.61B	7.39B	139	69.2	86.6	87.1	43.5	33.9	32.6	10.3 B	8.28B	21
22	5.60B	7.24B	10.3 B	168	71.2	89.5	101	42.1	32.9	32.2	9.67B	8.68B	22
23	5.40B	6.60B	10.0 B	217	68.6	89.3	188	41.2	31.9	31.5	8.68B	9.12B	23
24	5.00B	5.80B	12.0 B	265	62.8	89.7	215	40.6	31.0	31.3	9.00B	9.28B	24
25	5.50B	5.40B	11.0 B	298	62.5	96.6	189	40.5	30.6	31.3	9.73B	9.25B	25
26	5.80B	5.00B	10.0 B	289	60.8	88.7	156	43.3	31.5	31.0	10.5 B	9.31B	26
27	6.47B	5.30B	12.0 B	235	65.3	85.6	150	43.3	32.1	31.2	10.3 B	9.62B	27
28	6.00B	5.00B	17.0 B	199	69.9	82.9	162	43.4	34.1	31.0	9.25B	9.36B	28
29	5.50B		22.0 B	166	65.2	89.8	139	42.2	38.2	30.5	7.04B	9.55B	29
30	5.25B		20.0 B	130	77.5	134	112	53.0	45.1	29.6	7.22B	9.27B	30
31	5.00B		19.0 B		78.1		99.9	55.6		29.1		9.03B	31
TOTAL	212.64	159.45	312.79	3 408.0	1 977.7	2 737.9	5 838.1	1 797.0	1 263.9	1 179.3	420.61	274.46	TOTAL
MEAN	6.86	5.69	10.1	114	63.8	91.3	188	58.0	42.1	38.0	14.0	8.85	MEAN
MAX	10.4	9.80	22.0	298	110	134	465	96.4	58.7	51.7	28.9	9.69	MAX
MIN	5.00	4.30	5.51	15.4	40.7	66.5	87.1	40.5	30.6	29.1	7.22	6.94	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.6
MAXIMUM DAILY, 965 ON JUL 8
MINIMUM DAILY, 4.30B ON FEB 6
MAXIMUM INSTANTANEOUS,
500 AT 00:55 MST ON JUL 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 08 N
LONG 112 43 30 W
DRAINAGE AREA, 24 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 400	JUL	504 000
FEB	13 800	AUG	155 000
MAR	27 000	SEP	109 000
APR	294 000	OCT	102 000
MAY	171 000	NOV	36 300
JUN	237 000	DEC	23 700

TOTAL DISCHARGE, 1 690 000 dam³

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.00B	6.65B	6.50B	15.0 B	70.4	66.1	118	72.5	35.4	36.2	20.4	7.00B	1
2	3.90B	6.40B	6.20B	15.4 B	63.2	70.8	116	71.8	32.7	34.5	21.8	6.98B	2
3	3.80B	6.40B	6.10B	15.0 B	57.8	70.7	121	73.0	30.0	35.1	18.6	6.95B	3
4	3.70B	6.55B	6.20B	13.9 B	54.2	76.0	167	67.9	31.0	35.1	17.2	6.99B	4
5	3.45B	6.80B	6.05B	11.9 B	46.7	82.4	223	61.7	34.6	35.3	19.4	6.88B	5
6	3.50B	6.95B	6.55B	9.00B	42.7	82.9	269	53.8	40.3	36.6	18.8	6.73B	6
7	3.65B	6.75B	6.50B	9.40B	38.7	86.3	247	47.5	40.1	37.0	16.0	6.70B	7
8	3.77B	6.70B	6.50B	9.20B	38.9	97.5	240	44.0	38.0	35.8	13.0	6.65B	8
9	3.80B	7.00B	6.55B	9.20B	36.6	93.9	263	40.3	35.9	33.6	11.7	6.70B	9
10	3.90B	7.50B	6.70B	9.80B	36.7	97.1	332	38.1	34.8	31.5	13.0 B	6.75B	10
11	4.10B	7.45B	6.85B	12.5 B	29.6	103	189	39.8	38.4	30.2	16.5 B	6.88B	11
12	4.30B	7.30B	7.00B	21.5 B	34.8	109	150	38.3	33.0	28.7	18.9 B	7.00B	12
13	4.55B	7.35B	7.20B	43.0 B	46.3	113	107	36.4	29.5	28.9	17.7 B	7.03B	13
14	5.00B	7.45B	7.30B	100 B	49.1	110	89.0	35.5	29.2	27.7	13.2 B	7.05B	14
15	5.60B	7.55B	7.40B	163 B	47.2	115	82.3	33.7	28.2	27.2	13.4 B	7.00B	15
16	6.25B	7.65B	7.20B	153 B	47.5	120	80.7	31.6	27.7	27.8	13.3 B	6.88B	16
17	7.05B	7.60B	6.85B	141 B	51.8	118	71.7	30.6	27.1	27.0	11.3 B	6.73B	17
18	7.20B	7.55B	7.40B	127 B	57.8	107	69.0	29.5	26.1	26.6	9.04B	6.55B	18
19	6.80B	7.60B	7.40B	115 B	58.6	94.7	64.2	28.8	25.4	25.9	5.91B	6.38B	19
20	6.50B	8.05B	7.30B	104 B	58.3	94.3	63.8	27.8	24.7	25.8	7.08B	6.35B	20
21	5.80B	8.45B	7.00B	115 B	54.3	97.8	95.9	26.3	23.8	25.2	7.04B	6.20B	21
22	6.05B	8.50B	6.65B	105 B	51.7	93.9	167	26.7	23.2	25.1	6.52B	6.20B	22
23	6.35B	8.40B	6.65B	143 B	53.2	96.2	163	27.5	23.1	25.5	7.04B	6.20B	23
24	6.50B	8.00B	6.65B	184 B	53.1	108	143	27.4	22.9	25.4	6.00B	6.30B	24
25	6.70B	7.80B	6.60B	181	48.3	99.6	123	27.2	22.8	25.6	5.46B	6.40B	25
26	6.45B	7.80B	6.80B	164	57.6	89.2	121	28.3	21.5	25.7	5.37B	6.51B	26
27	5.90B	7.90B	7.50B	150	60.2	92.9	110	33.7	27.5	25.5	5.63B	6.72B	27
28	5.90B	7.75B	8.35B	120	68.1	103	95.6	38.1	34.9	24.7	6.40B	6.78B	28
29	6.15B		9.20B	92.6	80.0	106	85.9	41.6	36.6	24.1	6.60B	6.78B	29
30	6.50B		10.5 B	81.5	73.5	132	80.3	43.3	37.5	23.2	7.04B	6.75B	30
31	6.70B		13.5 B		66.8		76.4	38.7		20.8		6.85B	31
TOTAL	163.83	207.85	225.15	2 638.70	1 626.9	2 969.3	4 183.8	1 259.7	904.9	897.5	359.82	207.38	TOTAL
MEAN	5.28	7.42	7.26	81.2	52.5	99.0	135	40.6	30.2	29.0	12.0	6.69	MEAN
MAX	7.20	8.50	13.5	184	80.0	148	269	73.0	40.3	37.8	21.8	7.05	MAX
MIN	3.45	6.40	6.10	9.30	29.6	66.1	63.8	26.3	20.8	20.8	5.37	6.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 63.3
MAXIMUM DAILY, 369 ON JUL 6
MINIMUM DAILY, 3.45B ON JAN 5
MAXIMUM INSTANTANEOUS,
381 AT 01:07 MST ON JUL 6

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 35 N
LONG 113 48 45 W
DRAINAGE AREA, 11 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 200	JUL	361 000
FEB	18 000	AUG	150 000
MAR	19 500	SEP	78 200
APR	210 000	OCT	77 500
MAY	141 000	NOV	31 100
JUN	257 000	DEC	17 900

TOTAL DISCHARGE, 1 330 000 dam³

RED DEER RIVER AT SUNDRE - STATION NO. 05CA010

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.768E	1.069	1.432	0.984	1.025E	0.952	---	---	1
2	---	---	---	---	0.768E	1.078	1.434	1.204	1.012	0.950	---	---	2
3	---	---	---	---	0.768	1.158	1.514	1.168	1.010	0.943E	---	---	3
4	---	---	---	---	0.768	1.210	1.522	1.148	1.036	0.936	---	---	4
5	---	---	---	---	0.662	1.238	1.436	1.130	1.035E	0.930	---	---	5
6	---	---	---	---	0.666	1.228	1.476	1.098	1.035E	0.916	---	---	6
7	---	---	---	---	0.666	1.132	1.488	1.072	1.034	0.913E	---	---	7
8	---	---	---	---	0.603	1.088	1.338	1.067	1.012	0.910	---	---	8
9	---	---	---	---	0.662	1.168	1.310	1.079	1.031	0.896	---	---	9
10	---	---	---	---	0.684	1.277	1.285	1.119	1.024E	0.900	---	---	10
11	---	---	---	---	0.713	1.339	1.191	1.165	1.017	0.892	---	---	11
12	---	---	---	---	0.816	1.363	1.155	1.053	1.000E	0.876	---	---	12
13	---	---	---	---	0.799	1.423	1.165	1.065	0.983	0.863E	---	---	13
14	---	---	---	---	0.819	1.459	1.167	1.053	0.971	0.849E	---	---	14
15	---	---	---	---	0.821	1.501	1.181	1.045	0.961E	0.836	---	---	15
16	---	---	---	---	0.805	1.471	1.147	1.015	0.951E	0.813	---	---	16
17	---	---	---	---	0.939	1.409	1.091	0.981	0.941	0.872	---	---	17
18	---	---	---	---	0.931	1.271	1.037	0.973	0.923	0.892	---	---	18
19	---	---	---	---	0.933	1.241	1.091	0.971	0.931	0.870	---	---	19
20	---	---	---	---	0.920	1.347	1.539	0.993	0.917E	0.866	---	---	20
21	---	---	---	---	0.929	1.361	1.637	0.999	0.903	0.852	---	---	21
22	---	---	---	---	0.925	1.363	1.489	1.003	0.897	0.846	---	---	22
23	---	---	---	---	0.875	1.331	1.335	1.013	0.894	0.850	---	---	23
24	---	---	---	---	0.865	1.323	1.441	0.982	0.899	0.860	---	---	24
25	---	---	---	---	0.706	1.302	1.326	0.993E	0.952E	0.893E	---	---	25
26	---	---	---	---	0.898	1.420	1.304	1.003E	1.014	0.927E	---	---	26
27	---	---	---	---	1.014	1.497	1.404	1.016	1.020	0.960	---	---	27
28	---	---	---	---	0.903	1.432	1.298E	1.074	1.010	0.886	---	---	28
29	---		---	---	0.940	1.439	1.192E	1.063E	0.960	0.857	---	---	29
30	---		---	---	0.944	1.432	1.086	1.052	0.942	0.784	---	---	30
31	---		---		0.905		0.966	1.038		0.806		---	31
MEAN	---	---	---	---	0.820	1.310	1.302	1.050	0.978	0.884	---	---	MEAN
MAX	---	---	---	---	1.014	1.501	1.637	1.204	1.036	0.960	---	---	MAX
MIN	---	---	---	---	0.603	1.069	0.966	0.971	0.898	0.784	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.637 ON JUL 21

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 47 45 N
LONG 114 38 05 W

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 3 470 km²

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.25B	5.50B	3.78B	3.05B	8.53	38.4	60.3	38.9	23.2	17.5	10.7	6.38B	1
2	5.25B	5.51B	3.70B	3.00B	9.75	43.6	58.2	37.2	22.5	17.6	9.45	6.50B	2
3	5.25B	5.45B	3.65B	3.10B	9.78	50.1	52.9	33.5	23.9	17.8	9.59B	6.70B	3
4	5.25B	5.40B	3.58B	3.20B	7.62	52.8	54.6	30.5	27.5	17.3	10.0 B	6.90B	4
5	5.26B	5.38B	3.70B	3.38B	7.27	49.5	56.3	28.1	33.5	16.3	10.4	7.09B	5
6	5.25B	5.28B	3.81B	3.99B	7.17	49.8	60.5	26.5	29.1	15.9	9.84	7.05B	6
7	5.25B	5.10B	3.85B	3.91B	7.40	37.7	63.5	27.0	26.9	15.5	9.22	7.10B	7
8	5.30B	4.95B	3.88B	3.58B	6.48	35.5	53.5	27.3	26.4	14.8	8.70	7.20B	8
9	5.35B	4.88B	3.95B	3.65B	6.14	45.0	48.1	28.8	27.3	14.1	8.31B	7.30B	9
10	5.40B	4.78B	4.05B	3.70B	6.59	54.0	44.9	31.9	28.4	14.1	7.96B	7.45B	10
11	5.45B	4.68B	4.19B	3.80B	9.34	63.9	42.7	31.0	25.7	13.7	7.50B	7.60B	11
12	5.50B	4.58B	4.00B	3.91B	13.1	72.6	41.5	29.4	23.2	13.5	6.50B	7.80B	12
13	5.55B	4.48B	3.99B	4.32B	12.8	75.1	39.2	26.1	22.0	13.2	6.85B	8.00B	13
14	5.60B	4.38B	4.18B	4.61B	13.8	84.0	39.3	24.6	20.2	12.9	6.28B	8.10B	14
15	5.60B	4.20B	4.28B	4.80B	16.2	86.8	40.4	23.2	19.5	12.9	6.75B	8.20B	15
16	5.50B	4.15B	4.00B	5.24B	20.2	86.0	35.0	21.6	19.2	12.8	7.13B	8.24B	16
17	5.40B	4.25B	3.80B	5.39B	23.0	75.3	31.8	21.2	18.2	12.9	7.05B	8.20B	17
18	5.30B	4.30B	3.60B	5.59B	25.0	66.0	30.4	21.5	17.7	12.7	6.60B	8.20B	18
19	5.25B	4.34B	3.55B	5.50B	24.3	69.9	31.7	21.3	17.5	12.5A	5.94B	8.20B	19
20	5.20B	4.40B	3.52B	5.42B	21.9	73.0	45.8	21.5	17.1	12.2	5.50B	8.10B	20
21	5.30B	4.45B	3.65B	6.24B	23.3	70.8	76.0	23.1	16.9	12.6	5.34B	8.00B	21
22	5.30B	4.40B	3.35B	8.00B	27.6	71.3	66.1	23.3	16.9	12.5	5.49B	7.90B	22
23	5.40B	4.37B	3.25B	10.0 B	28.8	77.5	51.7	23.4	16.9	12.9	5.54B	7.80B	23
24	5.50B	4.30B	3.21B	9.40B	25.8	61.3	44.8	22.7	16.6	12.6	5.64B	7.70B	24
25	5.60B	3.88B	3.20B	8.90B	41.5	62.6	44.7	22.3	16.3	12.3	5.48B	7.60B	25
26	5.60B	3.60B	3.20B	8.69B	33.1	61.0	45.3	26.9	20.3	11.9	5.60B	7.50B	26
27	5.55B	3.58B	3.25B	8.51B	25.4	67.1	41.1	26.5	20.4	11.8	5.70B	7.30B	27
28	5.55B	3.60B	3.25B	8.65B	21.8	61.8	40.0	28.9	19.7	11.4	5.85B	7.15B	28
29	5.50B		3.20B	8.00B	20.4	69.4	39.7	29.4	19.0	11.3	6.00B	7.05B	29
30	5.50B		3.16B	8.32	21.8	61.6	39.2	26.8	17.5	10.1	6.15B	6.90B	30
31	5.50B		3.10B		20.3		39.2	24.7		10.4		6.78B	31
TOTAL	167.36	126.97	112.38	168.45	554.17	1 892.7	1 468.0	829.1	648.5	419.9	217.86	231.74	TOTAL
MEAN	5.40	4.53	3.63	5.62	17.9	63.1	47.1	26.7	21.6	13.5	7.28	7.48	MEAN
MAX	5.60	5.51	4.28	10.0	41.5	86.8	76.0	31.9	33.5	17.8	10.7	8.24	MAX
MIN	5.20	3.58	3.10	3.00	6.14	35.5	30.4	21.2	16.3	10.1	5.34	6.50	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 86.8 ON JUN 15
MINIMUM DAILY, 3.00B ON APR 2
MAXIMUM INSTANTANEOUS, 89.1 AT 05:04 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 03 N
LONG 113 01 00 W
DRAINAGE AREA, 2 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 500	JUL	126 000
FEB	11 000	AUG	71 000
MAR	9 710	SEP	56 000
APR	14 600	OCT	36 300
MAY	47 900	NOV	18 800
JUN	164 000	DEC	20 000

TOTAL DISCHARGE, 590 000 dam³

RED DEER RIVER NEAR DINSLOSS - STATION NO. 05CK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.40B	3.05B	6.00B	28.8B	168 A	75.0	121A	181	68.5	58.7	37.5	7.58B	1
2	3.75B	3.10B	6.55B	23.5B	148 A	78.9	161A	128	63.4	58.0	36.0	7.05B	2
3	3.80B	3.25B	6.45B	25.5B	115 A	85.2	200A	122	64.5	55.0	35.0	6.80B	3
4	3.90B	3.40B	6.45B	26.0B	103 A	84.1	176A	115	65.3	57.3	34.1	6.60B	4
5	3.84B	3.60B	6.55B	26.0B	92.8A	81.4	178A	109	64.8	57.2	33.4	6.58B	5
6	3.70B	3.80B	6.75B	24.5B	86.9A	83.7	172A	106	62.7	57.3	33.8	6.45B	6
7	3.30B	4.05B	6.85B	22.0B	77.7A	87.7	193A	104	59.0	56.6	32.5	6.35B	7
8	3.02B	4.15B	6.95B	22.1B	72.2A	89.0	208A	99.8	59.2	56.3	29.1	6.25B	8
9	2.75B	4.15B	7.00B	23.5B	67.6A	97.0	448A	96.1	58.0	56.2	29.0	6.30B	9
10	2.55B	4.10B	7.10B	27.0B	63.1A	96.3	708A	89.9	58.0	59.5	28.1	6.40B	10
11	2.40B	4.15B	7.25B	33.0B	59.6A	102	689A	83.8	59.7	60.8	32.2	6.55B	11
12	2.55B	4.20B	7.45B	41.0B	56.5A	111	361A	78.7	63.0	60.5	31.9 B	6.70B	12
13	2.75B	4.40B	7.70B	48.0B	55.0A	115	319A	76.7	61.8	58.9	11.7 B	6.70B	13
14	2.90B	4.50B	7.80B	43.0B	54.1A	113	279A	73.3	59.3	56.3	10.1 B	6.70B	14
15	3.15B	4.54B	8.10B	52.5B	51.8A	117	244A	71.0	57.3	52.9	9.58B	6.55B	15
16	3.25B	4.50B	8.45B	103 B	49.1A	121	194A	71.4	56.6	50.6	9.00B	6.35B	16
17	3.35B	4.50B	8.75B	126	50.9A	122	155A	70.6	55.8	49.7	10.3 B	6.10B	17
18	3.30B	4.50B	8.90B	149	53.8A	117	137A	69.9	53.6	49.0	11.6 B	5.95B	18
19	3.90B	4.55B	8.85B	211	58.3A	116	128A	68.5	51.2	48.0	11.7 B	5.85B	19
20	2.55B	4.75B	8.75B	186	63.1A	123	134A	66.4	50.6	46.2	11.5 B	5.75B	20
21	2.35B	5.00B	8.60B	309	66.7A	122	133A	62.5	49.2	44.9	10.9 B	5.75B	21
22	2.20B	5.35B	8.30B	183 A	69.8A	116	113A	61.8	47.9	43.1	9.90B	5.85B	22
23	2.28B	5.75B	8.20B	154 A	71.6A	106	106A	60.5	47.4	43.3	9.00B	6.05B	23
24	2.20B	6.20B	8.20B	151 A	73.3A	103	108A	59.0	46.1	42.3	8.05B	6.25B	24
25	2.33B	6.95B	8.25B	187 A	76.2A	105	114A	58.0	44.0	41.4	7.24B	6.40B	25
26	2.55B	7.25B	8.50B	230 A	76.2	105	203A	56.9	43.5	40.7	8.10B	6.55B	26
27	2.75B	7.25B	9.05B	265 A	75.4	112 A	221A	55.9	44.5	39.6	8.90B	6.75B	27
28	2.90B	7.20B	9.80B	272 A	75.8	132 A	185	55.5	51.1	38.7	8.40B	7.00B	28
29	3.00B		11.8 B	239 A	76.2	125 A	171	55.4	53.4	38.5	8.20B	7.35B	29
30	3.00B		14.8 B	197 A	81.6	120 A	169	56.2	54.0	38.4	7.75B	7.70B	30
31	3.00B		17.8 B		80.0		168	57.6		38.2		8.10B	31
TOTAL	91.47	132.14	262.85	3 372.0	2 358.4	3 161.3	6 929	2 477.6	1 665.5	1 547.9	544.54	203.76	TOTAL
MEAN	2.95	4.72	8.48	112	76.1	105	224	79.9	55.5	49.9	18.2	6.57	MEAN
MAX	3.90	7.25	17.8	272	168	132	700	181	65.3	60.8	37.5	8.10	MAX
MIN	2.20	3.05	6.45	20.8	49.1	75.0	100	55.4	43.6	38.2	7.24	5.75	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 62.3
MAXIMUM DAILY, 708A ON JUL 10
MINIMUM DAILY, 2.20B ON JAN 22
MAXIMUM INSTANTANEOUS,
9010 AT 00:15 MST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 10 N
LONG 110 17 50 W
DRAINAGE AREA, 44 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 900	JUL	599 000
FEB	11 400	AUG	214 000
MAR	22 700	SEP	144 000
APR	291 000	OCT	134 000
MAY	204 000	NOV	47 000
JUN	273 000	DEC	17 600

TOTAL DISCHARGE, 1 970 000 dam³

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.543	5.28	15.0	6.89	2.99	2.58	1.29B	---	1
2	---	---	---	---	0.567	6.60	13.3	5.81	2.83	2.48	1.01B	---	2
3	---	---	---	---	0.614	7.82	13.1	5.46	3.06	2.43	1.15B	---	3
4	---	---	---	---	0.573	8.94	13.3	5.46	5.03	2.30	1.30B	---	4
5	---	---	---	---	0.562	9.37	11.6	4.88	6.65	2.13	1.22B	---	5
6	---	---	---	---	0.563	9.10	9.85	4.45	5.61	2.06	1.19B	---	6
7	---	---	---	---	0.587	7.57	8.81	4.40	4.96	2.03	1.12B	---	7
8	---	---	---	---	0.588	6.61	8.21	4.39	4.81	1.90	---	---	8
9	---	---	---	---	0.572	6.23	7.81	4.59	5.41	1.78	---	---	9
10	---	---	---	---	0.584	7.38	7.54	4.69	7.93	1.80	---	---	10
11	---	---	---	---	0.639	10.1	7.57	5.21	6.46	1.82	---	---	11
12	---	---	---	---	0.729	14.1	7.41	5.68	5.48	1.77	---	---	12
13	---	---	---	---	0.769	18.8	7.05	5.51	5.08	1.73	---	---	13
14	---	---	---	---	0.891	22.0	7.35	5.35	4.49	1.72	---	---	14
15	---	---	---	---	1.03	23.0	8.26	4.83	4.19	1.70	---	---	15
16	---	---	---	---	1.25	23.3	6.80	4.25	3.94	1.71	---	---	16
17	---	---	---	---	1.55	22.0	5.97	3.89	3.63	1.85	---	---	17
18	---	---	---	---	2.00	21.1	5.89	3.72	3.46	1.81	---	---	18
19	---	---	---	---	2.27	21.6	6.28	3.65	3.35	1.73	---	---	19
20	---	---	---	---	2.40	22.1	7.74	3.78	3.21	1.50	---	---	20
21	---	---	---	---	2.95	22.3	7.47	3.96	3.17	1.57	---	---	21
22	---	---	---	---	3.92	22.9	7.33	3.88	3.21	1.61	---	---	22
23	---	---	---	---	4.63	21.4	6.34	3.59	3.08	1.94	---	---	23
24	---	---	---	---	4.98	20.9	5.67	3.37	2.86	1.89	---	---	24
25	---	---	---	---	6.97	19.7	5.52	3.33	2.87	1.71	---	---	25
26	---	---	---	---	7.30	18.8	5.54	3.57	3.35	1.68	---	---	26
27	---	---	---	0.519B	5.91	19.1	5.55	4.02	3.21	1.64	---	---	27
28	---	---	---	0.543	6.77	17.8	5.66	3.81	3.04	1.56	---	---	28
29	---		---	0.538	6.01	15.6	5.78	3.52	2.84	1.42B	---	---	29
30	---		---	0.528	6.66	16.2	5.97	3.23	2.63	1.29B	---	---	30
31	---		---		6.15		6.21	3.17		1.35B		---	31
TOTAL	---	---	---	---	72.523	467.76	246.73	135.53	122.74	56.27	---	---	TOTAL
MEAN	---	---	---	---	2.34	15.6	7.96	4.37	4.09	1.82	---	---	MEAN
MAX	---	---	---	---	7.30	23.3	15.0	6.89	7.93	2.58	---	---	MAX
MIN	---	---	---	---	0.543	5.28	5.52	3.17	2.63	1.28	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.99
MAXIMUM DAILY, 23.3 ON JUN 16
MINIMUM DAILY, 0.543 ON MAY 1
MAXIMUM INSTANTANEOUS,
30.9 AT 23:00 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 20 N
LONG 115 48 40 W
DRAINAGE AREA, 107 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 300
FEB	---	AUG	11 700
MAR	---	SEP	10 600
APR	---	OCT	4 860
MAY	6 270	NOV	---
JUN	40 400	DEC	---

TOTAL DISCHARGE, 95 100 dam³

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05SC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.030B	0.082B	20.6	2.13	0.107	0.185	0.050	0.030	---	---	1
2	---	---	0.024B	0.084B	18.1	1.98	0.113	0.174	0.049	0.033	---	---	2
3	---	---	0.024B	0.085B	16.1	1.68	0.122	0.149	0.049	0.035	---	---	3
4	---	---	0.034B	0.087B	14.4	1.46	0.190	0.122	0.048	0.034	---	---	4
5	---	---	0.039B	0.091B	13.0	1.30	0.193	0.110	0.049	0.025	---	---	5
6	---	---	0.031B	0.091B	12.0	1.09	0.356	0.105	0.046	0.026	---	---	6
7	---	---	0.027B	0.094B	10.8	0.907	0.396	0.139	0.037	0.026	---	---	7
8	---	---	0.024B	0.097B	10.0	0.782	0.413	0.183	0.029	0.031	---	---	8
9	---	---	0.030B	0.098B	9.45	0.644	0.409	0.211	0.023	0.036	---	---	9
10	---	---	0.021B	0.101B	8.86	0.546	0.334	0.227	0.074	0.035	---	---	10
11	---	---	0.020B	0.106B	8.16	0.470	0.272	0.245	0.112	0.040	---	---	11
12	---	---	0.026B	0.111B	7.53	0.431	0.222	0.231	0.083	0.062	---	---	12
13	---	---	0.030B	0.127B	6.93	0.344	0.182	0.200	0.061	0.072	---	---	13
14	---	---	0.032B	0.146B	6.66	0.263	0.160	0.185	0.050	0.077	---	---	14
15	---	---	0.034B	0.259B	6.13	0.219	0.139	0.177	0.046	0.078	---	---	15
16	---	---	0.034B	0.447B	5.71	0.178	0.123	0.162	0.042	0.076	---	---	16
17	---	---	0.041B	0.699B	5.47	0.165	0.148	0.154	0.038	0.072	---	---	17
18	---	---	0.046B	1.15 B	5.12	0.131	0.148	0.147	0.033	0.069	---	---	18
19	---	---	0.053B	1.67 B	5.00	0.113	0.132	0.137	0.033	0.072	---	---	19
20	---	---	0.057B	2.19 B	4.78	0.099	0.108	0.117	0.032	0.071	---	---	20
21	---	---	0.061B	3.93 B	4.51	0.084	0.107	0.115	0.030	0.070	---	---	21
22	---	---	0.067B	7.91 B	4.29	0.071	0.101	0.114	0.033	0.072	---	---	22
23	---	---	0.068B	14.5 B	4.21	0.066	0.047	0.113	0.030	0.072	---	---	23
24	---	---	0.069B	16.8 B	4.16	0.048	0.727	0.111	0.024	0.069	---	---	24
25	---	---	0.069B	15.6	3.93	0.046	0.679	0.105	0.015	0.065	---	---	25
26	---	---	0.071B	19.3	3.67	0.057	0.663	0.096	0.017	0.061	---	---	26
27	---	---	0.074B	25.9	3.53	0.080	0.516	0.102	0.020	0.056A	---	---	27
28	---	---	0.077B	28.9	3.26	0.065	0.387	0.076	0.016	0.055E	---	---	28
29	---		0.080B	26.5	2.90	0.071	0.281	0.063	0.015	0.055E	---	---	29
30	---		0.084B	23.4	2.64	0.082	0.210	0.059	0.025	0.055E	---	---	30
31	---		0.085B		2.39		0.179	0.054		0.055E		---	31
TOTAL	---	---	1.436	188.355	233.89	15.458	8.664	4.370	1.289	1.685	---	---	TOTAL
MEAN	---	---	0.046	6.28	7.54	0.515	0.279	0.141	0.048	0.053	---	---	MEAN
MAX	---	---	0.085	28.9	20.6	2.13	0.727	0.245	0.112	0.078	---	---	MAX
MIN	---	---	0.020	0.082	2.39	0.046	0.107	0.054	0.015	0.020	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 28.9 ON APR 28
MINIMUM DAILY, 0.015 ON SEP 25
MAXIMUM INSTANTANEOUS,
29.2 AT 10:30 MST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 49 N
LONG 112 59 46 W
DRAINAGE AREA, 1 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	709
FEB	---	AUG	378
MAR	124	SEP	104
APR 16	300	OCT	182
MAY 20	200	NOV	---
JUN 1	340	DEC	---

TOTAL DISCHARGE, 39 300 dam³

BERSON RESERVOIR NEAR ELKWATER - STATION NO. 11AB090

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	1236.435	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	1235.908E	1235.912E	1236.112E	1236.266E	1236.154E	1236.166E	1236.298E	1236.418E	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	1235.940E	---	1236.201E	---	---	1236.342E	---	---	---	18
19	---	---	1235.909E	---	1236.228E	---	1236.150E	1236.194E	---	1236.358E	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	1235.967	---	---	---	---	---	---	---	---	21
22	---	1235.907E	---	---	---	---	---	---	---	---	---	---	22
23	---	1235.907	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	1236.307	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	1236.324E	---	---	25
26	---	---	---	---	1236.301	---	---	---	---	---	---	---	26
27	---	---	---	1235.995	---	---	1236.167	---	---	1236.313	---	---	27
28	---	1235.908E	---	1236.008E	---	1236.156E	---	---	1236.398E	---	---	---	28
29	---	---	1235.910E	---	1236.300E	1236.156	1236.167E	1236.236E	---	---	---	---	29
30	---	---	---	1236.038E	---	1236.154E	---	---	1236.408E	---	---	---	30
31	---		1235.910		1236.300E		1236.167E	1236.246E		1236.292E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 48 N
LONG 110 05 44 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BEITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.130B	0.122	0.063	0.106	0.063	0.017	0.004B	0.008B	1
2	0B	0B	0B	0 B	0.125B	0.119	0.068	0.178	0.061	0.016	0.004B	0.008B	2
3	0B	0B	0B	0 B	0.120B	0.117	0.072	0.101	0.060	0.016	0.004B	0.008B	3
4	0B	0B	0B	0 B	0.118B	0.114	0.077	0.172	0.059	0.015	0.004B	0.008B	4
5	0B	0B	0B	0.001B	0.119B	0.113	0.077	0.163	0.055	0.018	0.004B	0.033B	5
6	0B	0B	0B	0.001B	0.119	0.111	0.076	0.155	0.056	0.018	0.004B	0.029B	6
7	0B	0B	0B	0.001B	0.121	0.110	0.071	0.148	0.052	0.012	0.004B	0.030B	7
8	0B	0B	0B	0.002B	0.122	0.112	0.065	0.142	0.050	0.010	0.004B	0.034B	8
9	0B	0B	0B	0.002B	0.127	0.112	0.060	0.135	0.050	0.009	0.004B	0.023B	9
10	0B	0B	0B	0.003B	0.130	0.107	0.054	0.124	0.050	0.008	0.004B	0.023B	10
11	0B	0B	0B	0.004B	0.131	0.102	0.048	0.112	0.050	0.007	0.004B	0.021B	11
12	0B	0B	0B	0.005B	0.133	0.097	0.043	0.107	0.048	0.007	0.004B	0.020B	12
13	0B	0B	0B	0.006B	0.127	0.096	0.038	0.104	0.045	0.007	0.004B	0.019B	13
14	0B	0B	0B	0.008B	0.125	0.089	0.036	0.100	0.042	0.006	0.004B	0.018B	14
15	0B	0B	0B	0.010B	0.125	0.086	0.037	0.095	0.041	0.006	0.005B	0.017B	15
16	0B	0B	0B	0.017B	0.128	0.088	0.035	0.087	0.041	0.006	0.005B	0.016B	16
17	0B	0B	0B	0.970B	0.130	0.186	0.037	0.081	0.036	0.006	0.006B	0.015B	17
18	0B	0B	0B	0.230B	0.131	0.095	0.038	0.089	0.039	0.006	0.006B	0.014B	18
19	0B	0B	0B	0.090B	0.136	0.079	0.165	0.047	0.037	0.006	0.006B	0.013B	19
20	0B	0B	0B	0.417B	0.138	0.081	0.210	0.044	0.036	0.005	0.007B	0.013B	20
21	0B	0B	0B	0.370B	0.141	0.100	0.206	0.046	0.035	0.005	0.008B	0.012B	21
22	0B	0B	0B	0.323B	0.142	0.185	0.194	0.074	0.033	0.005	0.009B	0.012B	22
23	0B	0B	0B	0.260B	0.140	0.122	0.177	0.072	0.031	0.004	0.011B	0.011B	23
24	0B	0B	0B	0.240B	0.141	0.093	0.178	0.073	0.029	0.004	0.013B	0.011B	24
25	0B	0B	0B	0.210B	0.140	0.089	0.180	0.069	0.029	0.004	0.016B	0.010B	25
26	0B	0B	0B	0.185B	0.142	0.079	0.181	0.064	0.030	0.004	0.018B	0.010B	26
27	0B	0B	0B	0.170B	0.144	0.079	0.178	0.062	0.026	0.004B	0.030B	0.010B	27
28	0B	0B	0B	0.160B	0.139	0.075	0.180	0.062	0.023	0.004B	0.088B	0.010B	28
29	0B		0B	0.150B	0.135	0.064	0.177	0.059	0.021	0.004B	0.099B	0.010B	29
30	0B		0B	0.140B	0.134	0.059	0.173	0.066	0.019	0.004B	0.092B	0.009B	30
31	0B		0B		0.130		0.170	0.062		0.004B		0.009B	31
TOTAL	0	0	0	3.384	4.063	2.931	3.364	3.079	1.247	0.263	0.458	0.677	TOTAL
MEAN	0	0	0	0.113	0.131	0.098	0.109	0.099	0.042	0.008	0.015	0.022	MEAN
MAX	0	0	0	0.417	0.144	0.122	0.210	0.181	0.063	0.018	0.092	0.008	MAX
MIN	0	0	0	0	0.118	0.059	0.035	0.044	0.019	0.004	0.004	0.009	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.053
MAXIMUM DAILY, 0.417B ON APR 20
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.500B AT 15:41 MST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 13 05 N
LONG 110 19 45 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	291
FEB	0	AUG	366
MAR	0	SEP	108
APR	292	OCT	21.0
MAY	351	NOV	39.6
JUN	253	DEC	58.5

TOTAL DISCHARGE, 1 680 dam³

REMARKS - PEAK DISCHARGE WAS FOUND BY EXTENDING CURVE ON RECORDER CHART

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.134B	0.003	0.016	0.001	0	0	0.001	---	---	1
2	---	---	0 B	0.032B	0.002	0.016	0.001	0.001	0	0.001	---	---	2
3	---	---	0 B	0.019B	0.002	0.007	0.005	0.000	0	0.001	---	---	3
4	---	---	0 B	0.016B	0.003	0.004	0.006	0.056	0.001	0.001	---	---	4
5	---	---	0 B	0.015B	0.002	0.003	0.063	0.093	0.001	0.001	---	---	5
6	---	---	0 B	0.014B	0.001	0.002	0.100	0.046	0.002	0.001	---	---	6
7	---	---	0 B	0.013B	0.002	0.002	0.073	0.028	0.001	0.001	---	---	7
8	---	---	0 B	0.012B	0.002	0.002	0.049	0.013	0.001	0.001	---	---	8
9	---	---	0 B	0.030B	0.002	0.001	0.020	0.008	0.001	0.001	---	---	9
10	---	---	0 B	0.200B	0.002	0.001	0.010	0.004	0.001	0	---	---	10
11	---	---	0 B	1.00 B	0.001	0.001	0.010	0.003	0.001	0	---	---	11
12	---	---	0 B	0.714B	0.001	0.001	0.008	0.002	0.001	0.001	---	---	12
13	---	---	0 B	0.550B	0.001	0.001	0.012	0.002	0.001	0.001	---	---	13
14	---	---	0 B	0.391A	0	0.001	0.016	0.002	0.001	0.001	---	---	14
15	---	---	0 B	0.240B	0	0.002	0.007	0.002	0	0.001	---	---	15
16	---	---	0 B	0.161E	0	0.002	0.002	0.001	0	0.001	---	---	16
17	---	---	0 B	0.110E	0	0.001	0.002	0.001	0	0.001	---	---	17
18	---	---	0 B	0.093E	0.001	0.001	0.001	0.001	0	0.001	---	---	18
19	---	---	0 B	0.086A	0.002	0.001	0.001	0	0	0.001	---	---	19
20	---	---	0 B	0.058	0.005	0.001	0.001	0	0	0.001	---	---	20
21	---	---	0 B	0.042	0.037	0	0	0	0	0.001	---	---	21
22	---	---	0 B	0.054	0.020	0	0	0	0	0.001	---	---	22
23	---	---	0.020B	0.047	0.015	0	0	0	0	0.001	---	---	23
24	---	---	0.023B	0.039	0.007	0	0	0	0	0.001	---	---	24
25	---	---	0.016B	0.034	0.005	0	0	0	0	0.001A	---	---	25
26	---	---	0.008B	0.030	0.005	0	0	0	0	0.001E	---	---	26
27	---	---	0.050B	0.015	0.012	0	0	0	0.001	0.001E	---	---	27
28	---	---	1.03 B	0.009	0.020	0.001	0	0	0.001	0.001E	---	---	28
29	---		0.904B	0.005	0.050	0.002	0	0	0.001	0.001E	---	---	29
30	---		0.500B	0.003	0.036	0.001	0	0	0.001	0.001E	---	---	30
31	---		0.230B		0.023		0	0		0.001E		---	31
TOTAL	---	---	2.781	4.116	0.259	0.064	0.413	0.265	0.016	0.029	---	---	TOTAL
MEAN	---	---	0.090	0.137	0.008	0.002	0.013	0.009	0.001	0.001	---	---	MEAN
MAX	---	---	1.03	1.00	0.050	0.016	0.100	0.093	0.002	0.001	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 1.03B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 01 N
LONG 113 21 47 W
DRAINAGE AREA, 57.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25.7
FEB	---	AUG	23.9
MAR	240	SEP	1.38
APR	356	OCT	2.51
MAY	22.4	NOV	---
JUN	5.53	DEC	---

TOTAL DISCHARGE, 686 dam³

RIDSTONE CREEK NEAR CLAR - STATION NO. 05FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.011E	0.002	0	0	0	0	0.001A	---	1
2	---	---	0B	0 B	0.009E	0.002	0	0.001	0	0	---	---	2
3	---	---	0B	0 B	0.006E	0.001	0.001	0.003	0	0	---	---	3
4	---	---	0B	0 B	0.003E	0.001	0.002	0.003	0	0	---	---	4
5	---	---	0B	0 B	0.001E	0	0	0.002	0	0.001	---	---	5
6	---	---	0B	0 B	0.001E	0	0	0.002	0	0.001	---	---	6
7	---	---	0B	0 B	0.002E	0	0	0.001	0	0.001	---	---	7
8	---	---	0B	0 B	0.002E	0	0	0	0	0.001	---	---	8
9	---	---	0B	0 B	0.004E	0.001	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.005E	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.005A	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.005	0	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.003	0	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.003	0	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.003	0	0	0	0	0	---	---	15
16	---	---	0B	0.006B	0.003	0	0	0	0	0	---	---	16
17	---	---	0B	0.015B	0.002	0	0	0	0	0	---	---	17
18	---	---	0B	0.021B	0.001	0	0	0	0	0.001	---	---	18
19	---	---	0B	0.028B	0.002	0	0	0	0	0.001	---	---	19
20	---	---	0B	0.025B	0.005	0	0	0	0	0.001	---	---	20
21	---	---	0B	0.019A	0.005	0	0	0	0	0.001	---	---	21
22	---	---	0B	0.018E	0.004	0	0	0	0	0.001	---	---	22
23	---	---	0B	0.017E	0.006	0	0	0	0	0.002	---	---	23
24	---	---	0B	0.016E	0.008	0	0	0	0	0.001	---	---	24
25	---	---	0B	0.006A	0.005	0	0	0	0	0.001	---	---	25
26	---	---	0B	0.008E	0.004	0	0	0	0	0.001	---	---	26
27	---	---	0B	0.010E	0.004	0	0	0	0	0.001	---	---	27
28	---	---	0B	0.014E	0.004	0	0	0	0	0.001	---	---	28
29	---		0B	0.013E	0.003	0	0	0	0	0.001	---	---	29
30	---		0B	0.012E	0.003	0	0	0	0	0.001	---	---	30
31	---		0B		0.003		0	0		0.001		---	31
TOTAL	---	---	0	0.228	0.125	0.087	0.003	0.012	0	0.019	---	---	TOTAL
MEAN	---	---	0	0.008	0.004	0	0	0	0	0.001	---	---	MEAN
MAX	---	---	0	0.028	0.011	0.002	0.002	0.003	0	0.002	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.028B ON APR 19
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 20 17 N
LONG 110 44 15 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.26
FEB	---	AUG	1.04
MAR	0	SEP	0
APR	19.7	OCT	1.64
MAY	10.8	NOV	---
JUN	0.60	DEC	---

TOTAL DISCHARGE, 34.0 dam³

RIDSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.073	0.039	0.484	0.282	0.004	0	0E	---	1
2	---	---	0B	0 B	0.073	0.033	0.536	0.249	0.005	0.033	0E	---	2
3	---	---	0B	0 B	0.066	0.033	0.542	0.342	0.010E	0.045	---	---	3
4	---	---	0B	0 B	0.058	0.033	0.419	0.300E	0.014E	0.096	---	---	4
5	---	---	0B	0 B	0.057E	0.043	0.399	0.265E	0.010	0.087	---	---	5
6	---	---	0B	0 B	0.057	0.043	0.426	0.235	0.022	0.072	---	---	6
7	---	---	0B	0 B	0.054	0.047	0.390E	0.175	0.035	0.063	---	---	7
8	---	---	0B	0 B	0.095	0.050	0.351	0.150	0.038	0.049	---	---	8
9	---	---	0B	0 B	0.071	0.054	0.351	0.136	0.041	0.029	---	---	9
10	---	---	0B	0 B	0.050	0.320E	0.351E	0.124	0.034	0.023	---	---	10
11	---	---	0B	0.002B	0.050	0.576	0.342E	0.118	0.030	0.018	---	---	11
12	---	---	0B	0.004B	0.049	0.768	0.330	0.116	0.029	0.017	---	---	12
13	---	---	0B	0.007B	0.048	0.876	0.330E	0.110	0.017	0.016	---	---	13
14	---	---	0B	0.010B	0.042	0.924	0.323E	0.112	0.011	0.016E	---	---	14
15	---	---	0B	0.054B	0.037	0.746	0.314	0.104	0	0.015E	---	---	15
16	---	---	0B	0.399B	0.039	0.778	0.304	0.085	0 E	0.015E	---	---	16
17	---	---	0B	0.545B	0.038	0.765	0.294	0.067	0 E	0.016E	---	---	17
18	---	---	0B	0.540B	0.046	0.765	0.262	0.058	0 E	0.017E	---	---	18
19	---	---	0B	0.542B	0.052	0.709	0.255	0.038	0 E	0.017E	---	---	19
20	---	---	0B	0.165B	0.051	0.732	0.346	0.028	0 E	0.016E	---	---	20
21	---	---	0B	0.108B	0.044	1.52	0.283	0.042	0 E	0.016E	---	---	21
22	---	---	0B	0.073B	0.041	1.05	0.273	0.057	0 E	0.017E	---	---	22
23	---	---	0B	0.064	0.043	0.598	0.273E	0.038	0.010	0.016E	---	---	23
24	---	---	0B	0.046	0.036	0.539	0.273	0.031	0.006	0.015	---	---	24
25	---	---	0B	0.037	0.030	0.536	0.346	0.033	0	0.015E	---	---	25
26	---	---	0B	0.054	0.031	0.536	0.336E	0.008	0	0.014E	---	---	26
27	---	---	0B	0.072	0.034	0.489	0.228E	0.009E	0	0.010E	---	---	27
28	---	---	0B	0.083	0.078	0.585	0.232	0.010E	0	0.007E	---	---	28
29	---		0B	0.069	0.051	0.604	0.202	0.011	0	0.004E	---	---	29
30	---		0B	0.076	0.036	0.079	0.192	0.003	0	0 E	---	---	30
31	---		0B		0.021		0.187	0.001		0 E		---	31
TOTAL	---	---	0	3.006	1.542	15.036	9.068	3.345	0.334	0.774	---	---	TOTAL
MEAN	---	---	0	0.100	0.050	0.520	0.310	0.105	0.011	0.025	---	---	MEAN
MAX	---	---	0	0.545	0.095	1.05	0.543	0.342	0.041	0.096	---	---	MAX
MIN	---	---	0	0	0.021	0.039	0.187	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.141
MAXIMUM DAILY, 1.05 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 35 18 N
LONG 110 29 00 W
DRAINAGE AREA, 2 130 km²
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	853
FEB	---	AUG	366
MAR	0	SEP	28.0
APR	260	OCT	66.9
MAY	133	NOV	---
JUN	1 370	DEC	---

TOTAL DISCHARGE, 2 990 dam³

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0.010	0	0.003	0	0	0	---	1
2	---	---	0B	0 B	0	0.008	0.012	0.003	0	0	---	---	2
3	---	---	0B	0 B	0	0.006	0.062	0.003	0	0.001	---	---	3
4	---	---	0B	0 B	0.006	0.004	0.038	0.003	0	0.002	---	---	4
5	---	---	0B	0 B	0.003	0.003	0.018	0.002	0.001	0.002	---	---	5
6	---	---	0B	0 B	0.001	0.004	0.006	0.001	0.001	0.001	---	---	6
7	---	---	0B	0 B	0.001	0.002	0.003	0.003	0	0	---	---	7
8	---	---	0B	0 B	0.001	0.001	0.001	0.002	0	0	---	---	8
9	---	---	0B	0 B	0	0	0.053	0	0	0	---	---	9
10	---	---	0B	0.040B	0	0	0.011	0	0	0	---	---	10
11	---	---	0B	0.130B	0	0	0.001	0	0	0	---	---	11
12	---	---	0B	0.225B	0	0	0.001	0	0	0	---	---	12
13	---	---	0B	0.266B	0	0	0.003	0	0	0	---	---	13
14	---	---	0B	0.680B	0	0	0.003	0	0	0	---	---	14
15	---	---	0B	0.336B	0	0	0.003	0	0	0	---	---	15
16	---	---	0B	0.166	0	0	0.004	0	0	0	---	---	16
17	---	---	0B	0.137	0	0	0.010	0	0	0	---	---	17
18	---	---	0B	0.072	0	0	0.018	0	0	0	---	---	18
19	---	---	0B	0.013	0.002	0	0.022	0	0	0	---	---	19
20	---	---	0B	0.009	0.053	0	0.020	0	0	0	---	---	20
21	---	---	0B	0.022	0.022	0	0.018	0	0	0	---	---	21
22	---	---	0B	0.045	0.008	0	0.014	0	0	0	---	---	22
23	---	---	0B	0.043	0.006	0	0.011	0	0	0	---	---	23
24	---	---	0B	0.022	0.006	0	0.009	0	0	0	---	---	24
25	---	---	0B	0.011	0.004	0	0.007	0	0	0	---	---	25
26	---	---	0B	0	0.002	0	0.010	0	0	0	---	---	26
27	---	---	0B	0	0.003	0	0.010	0	0	0	---	---	27
28	---	---	0B	0	0.005	0	0.008	0	0	0	---	---	28
29	---		0B	0	0.007	0	0.006	0	0	0	---	---	29
30	---		0B	0	0.009	0	0.004	0	0	0	---	---	30
31	---		0B		0.009		0.003	0		0		---	31
TOTAL	---	---	0	2.217	0.148	0.038	0.390	0.030	0.002	0.006	---	---	TOTAL
MEAN	---	---	0	0.074	0.005	0.001	0.013	0.001	0	0	---	---	MEAN
MAX	---	---	0	0.680	0.053	0.010	0.062	0.003	0.001	0.002	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.680B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 10 47 N
LONG 111 14 15 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.7
FEB	---	AUG	1.73
MAR	0	SEP	0.17
APR	191	OCT	0.52
MAY	12.8	NOV	---
JUN	3.28	DEC	---

TOTAL DISCHARGE, 244 dam³

RICHARDSON LAKE AT THE OUTLET - STATION NO. 07DD008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	210.738	209.824	209.466	---	---	1
2	---	---	---	---	---	---	---	210.664	209.837	209.514	---	---	2
3	---	---	---	---	---	---	---	210.606	209.866	209.478	---	---	3
4	---	---	---	---	---	---	---	210.550	209.870	209.422	---	---	4
5	---	---	---	---	---	---	---	210.488	209.868	209.417	---	---	5
6	---	---	---	---	---	---	---	210.429	209.870	209.478	---	---	6
7	---	---	---	---	---	---	---	210.431	209.868	209.574	---	---	7
8	---	---	---	---	---	---	---	210.446	209.811	209.608	---	---	8
9	---	---	---	---	---	---	---	---	209.800	209.556	---	---	9
10	---	---	---	---	---	---	---	210.577	209.847	209.526	---	---	10
11	---	---	---	---	---	---	---	210.607	209.867	209.558	---	---	11
12	---	---	---	---	---	---	---	210.596	209.899	209.575	---	---	12
13	---	---	---	---	---	---	210.909	210.556	209.945	209.569	---	---	13
14	---	---	---	---	---	---	---	210.491	209.917	209.558	---	---	14
15	---	---	---	---	---	210.036	---	210.419	209.925	210.523	---	---	15
16	---	---	---	---	---	---	---	210.365	209.918	---	---	---	16
17	---	---	---	---	---	---	---	210.317	209.941	---	---	---	17
18	---	---	---	---	---	---	---	210.284	209.966	---	---	---	18
19	---	---	---	---	---	---	---	210.265	209.946	---	---	---	19
20	---	---	---	---	---	---	---	210.220	209.899	---	---	---	20
21	---	---	---	---	---	---	---	210.136	209.882	---	---	---	21
22	---	---	---	---	---	---	---	210.093	209.803	---	---	---	22
23	---	---	---	---	---	---	---	210.082	209.732	---	---	---	23
24	---	---	---	---	---	---	---	210.055	209.670	---	---	---	24
25	---	---	---	---	---	---	---	210.050	209.704	---	---	---	25
26	---	---	---	---	---	---	---	210.084	209.644	---	---	---	26
27	---	---	---	---	---	---	210.946	209.914	209.587	---	---	---	27
28	---	---	---	---	---	---	---	209.909	209.571	---	---	---	28
29	---		---	---	---	210.135	210.891	209.872	209.560	---	---	---	29
30	---		---	---	---	---	210.847	209.838	209.488	---	---	---	30
31	---		---		---		210.783	209.812		---		---	31
MEAN	---	---	---	---	---	---	---	---	209.810	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	209.966	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	209.488	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 55 N
LONG 110 58 30 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.94B	8.94B	9.12B	9.50B	31.1B	19.3	13.1	14.2	14.0	14.7	14.2E	11.4B	1
2	8.94B	8.94B	9.12B	9.35B	33.1B	18.8	13.0	14.3	14.0	14.7	14.0E	11.4B	2
3	8.94B	8.94B	9.12B	9.30B	34.2	18.5	12.9	14.3	14.0	14.6	13.8B	11.3B	3
4	8.94B	8.94B	9.12B	9.35B	34.5	18.3	13.0	14.3	14.2	14.5	13.6B	11.3B	4
5	8.94B	8.94B	9.12B	9.45B	35.0	17.8	13.1	14.4	14.3	14.3	13.5B	11.3B	5
6	8.94B	8.94B	9.12B	9.60B	35.8	17.5	13.1	14.7	14.2	14.2	13.4B	11.3B	6
7	8.94B	8.94B	9.12B	9.80B	36.2	17.3	13.1	15.3	14.2	14.2	13.3B	11.3B	7
8	8.94B	8.94B	9.12B	10.1 B	36.0	16.8	13.0	15.3	14.1	14.4	13.2B	11.3B	8
9	8.94B	8.96B	9.12B	10.3 B	34.9	16.5	12.8	15.1	14.1	14.3	13.1B	11.3B	9
10	8.94B	8.98B	9.12B	10.4 B	32.5	16.4	12.5	15.0	14.6	14.2	13.0B	11.2B	10
11	8.94B	9.00B	9.16B	10.6 B	31.1	16.3	12.4	14.8	15.6	14.1	13.0B	11.2B	11
12	8.94B	8.98B	9.20B	10.7 B	30.1	16.2	12.3	14.6	16.2	14.0	12.9B	11.2B	12
13	8.94B	8.96B	9.18B	10.7 B	29.1	16.0	12.1	14.5	16.2	13.8	12.9B	11.2B	13
14	8.94B	8.96B	9.16B	10.8 B	28.1	16.0	11.9	14.4	16.7	13.8	12.8B	11.2B	14
15	8.94B	9.02B	9.14B	10.8 B	27.4	15.9	11.8	14.2	17.1	13.8	12.8B	11.2B	15
16	8.94B	9.08B	9.14B	10.9 B	26.9	15.7	11.6	14.1	17.3	13.7	12.7B	11.2B	16
17	8.94B	9.12B	9.14B	11.0 B	26.4	15.5	11.5	14.0	17.0	14.1	12.5B	11.2B	17
18	8.94B	9.16B	9.14B	11.3 B	25.6	15.5	11.4	13.9	16.8	14.2	12.3B	11.2B	18
19	8.94B	9.14B	9.30B	11.7 B	24.9	15.4	11.3	13.8	16.8	14.2	12.1B	11.2B	19
20	8.94B	9.12B	9.60B	12.0 B	24.8	15.1	11.3	13.9	16.2	14.3	11.9B	11.1B	20
21	8.94B	9.12B	10.0 B	12.5 B	24.4	14.9	11.4	13.7	15.9	14.3	11.7B	11.1B	21
22	8.94B	9.12B	10.3 B	13.1 B	23.9	14.8	11.7	13.6	15.7	13.9	11.6B	11.1B	22
23	8.94B	9.12B	10.5 B	15.1 B	23.5	14.7	12.7	13.5	15.5	13.7	11.6B	11.1B	23
24	8.94B	9.12B	10.6 B	17.1 B	23.0	14.8	13.3	13.4	15.4	14.2	11.5B	11.1B	24
25	8.94B	9.12B	10.7 B	19.1 B	22.5	14.7	13.7	13.3	15.4	14.6	11.5B	11.1B	25
26	8.94B	9.12B	10.7 B	21.1 B	21.9	14.5	14.9	13.4	15.3	15.0	11.5B	11.1B	26
27	8.94B	9.12B	10.6 B	23.1 B	21.4	14.0	15.2	13.2	15.2	14.7	11.4B	11.1B	27
28	8.94B	9.12B	10.4 B	25.1 B	20.9	13.7	15.1	13.4	15.1	14.6A	11.4B	11.0B	28
29	8.94B		10.2 B	27.1 B	20.5	13.5	14.9	13.6	15.0	14.5E	11.4B	11.0B	29
30	8.94B		9.90B	29.1 B	20.1	13.3	14.6	13.7	14.9	14.4E	11.4B	11.0B	30
31	8.94B		9.70B		19.6		14.3	13.9		14.3E		11.0B	31
TOTAL	277.14	252.96	296.96	410.05	859.4	477.7	399.0	437.8	461.0	442.3	376.0	346.7	TOTAL
MEAN	8.94	9.03	9.58	13.7	27.7	15.9	12.9	14.1	15.4	14.3	12.5	11.2	MEAN
MAX	8.94	9.16	10.7	29.1	36.2	19.3	15.2	15.3	17.3	15.0	14.2	11.4	MAX
MIN	8.94	8.94	9.12	9.50	19.6	13.3	11.3	13.2	14.0	13.7	11.4	11.0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 36.2 ON MAY 7
MINIMUM DAILY, 8.94B ON JAN 1
MAXIMUM INSTANTANEOUS, 36.4 AT 20:27 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 21 48 N
LONG 111 14 14 W
DRAINAGE AREA, 2 950 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	23 900	JUL	34 500
FEB	21 900	AUG	37 800
MAR	25 700	SEP	39 400
APR	35 400	OCT	38 200
MAY	74 300	NOV	32 500
JUN	41 300	DEC	30 000

TOTAL DISCHARGE, 435 000 dam³

RIVIERE DES ROCHERS ABOVE REVILLON COUPE - STATION NO. 07HA003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	207.261	---	208.697	209.065	208.703	208.588	208.339	---	1
2	---	---	---	206.271	207.477	208.553	208.699	209.129	208.809	208.648	208.300	---	2
3	---	207.593	206.974	206.249	207.650	208.602	208.809	209.097	208.712	208.660	208.284	208.221	3
4	---	---	---	206.244	207.782	208.714	208.871	208.960	208.732	208.598	208.252	208.253	4
5	---	207.584	---	206.232	207.885	208.533	208.743	208.775	208.740	208.563	208.216	208.265	5
6	207.797	207.550	---	206.183	207.995	208.612	208.677	208.844	208.717	208.596	208.264	208.236	6
7	---	207.516	---	206.158	208.098	208.581	208.560	208.790	208.495	208.641	208.244	---	7
8	---	207.492	---	206.159	---	208.517	208.587	208.828	208.653	208.573	208.240	---	8
9	---	207.503	---	206.203	---	208.538	208.556	208.857	208.727	208.559	208.206	---	9
10	---	207.501	---	206.314	---	208.553	208.673	208.892	208.811	208.570	208.228	---	10
11	---	207.470	---	206.343	---	208.633	208.732	208.864	208.392	208.378	208.201	---	11
12	---	207.451	---	206.333	---	208.699	208.784	208.800	208.758	208.554	208.227	---	12
13	207.736	207.462	---	206.357	208.034	208.710	208.746	208.736	208.747	208.510	208.250	---	13
14	---	207.478	---	206.392	---	208.657	208.801	208.730	208.564	208.542	208.305	208.233	14
15	---	207.497	---	206.395	---	208.565	208.834	208.849	208.700	208.597	208.296	208.242	15
16	---	207.535	---	206.362	---	208.671	208.854	208.879	208.761	209.039	208.275	208.195	16
17	---	207.463	206.407	206.377	---	208.617	208.780	208.869	208.678	208.690	208.299	208.168	17
18	---	207.428	206.394	206.324	---	208.581	208.665	208.732	208.707	208.460	208.226	208.166	18
19	---	207.440	206.373	206.285	---	208.602	208.609	208.718	208.713	208.377	208.262	208.176	19
20	---	207.402	206.337	206.320	---	208.753	208.596	208.767	208.713	208.539	208.266	208.163	20
21	---	207.356	206.319	206.337	---	208.677	208.879	208.792	208.702	208.594	---	208.182	21
22	---	---	206.294	206.345	---	208.546	209.078	208.757	208.722	208.651	---	208.225	22
23	---	---	206.275	206.405	---	208.603	208.974	208.744	208.735	208.352	---	208.211	23
24	---	---	206.220	206.439	---	208.582	208.913	208.686	208.693	208.585	---	208.202	24
25	---	---	206.245	206.465	208.559	208.594	208.883	208.624	208.659	208.555	---	208.181	25
26	---	---	206.410	206.536	---	208.612	208.856	208.679	208.727	208.570	---	208.178	26
27	---	---	206.408	206.618	---	208.673	208.812	208.811	208.739	208.441	---	208.166	27
28	---	---	206.266	206.692	---	208.702	208.792	208.814	208.753	208.553	---	---	28
29	---		206.299	206.814	---	208.729	208.880	208.749	208.672	208.332	---	---	29
30	---		206.288	206.959	---	208.581	208.815	208.774	208.623	208.462	---	---	30
31	---		206.273		---		208.919	208.736		208.441		---	31
MEAN	---	---	---	---	---	---	208.776	208.818	208.695	208.555	---	---	MEAN
MAX	---	---	---	---	---	---	209.078	209.129	208.811	209.039	---	---	MAX
MIN	---	---	---	---	---	---	208.556	208.624	208.392	208.332	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.129 ON AUG 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 30 N
LONG 111 16 00 W
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS ABOVE SLAVE RIVER - STATION NO. 07HA001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	207.289	206.595	205.764	---	207.605	207.068	207.512	207.285	206.608	---	207.856	1
2	---	207.290	206.476	205.801	---	207.528	206.987	207.493	207.285	206.637	---	207.828	2
3	---	207.185	206.363	205.795	---	207.463	206.912	207.403	207.284	206.663	---	207.747	3
4	---	207.185	206.244	205.770	---	207.464	206.968	207.224	207.280	206.664	---	207.668	4
5	---	207.193	206.145	205.753	---	207.250	206.827	206.986	207.270	206.639	---	207.612	5
6	---	207.183	206.064	205.756	---	207.160	206.741	206.895	207.228	206.637	---	207.559	6
7	---	207.161	206.003	205.802	---	207.135	206.650	206.853	207.067	206.698	---	207.507	7
8	---	207.139	205.958	205.876	---	207.241	206.604	207.230	206.910	206.767	---	207.443	8
9	---	207.130	205.888	205.936	---	207.382	206.576	207.935	206.897	206.811	---	207.427	9
10	---	207.121	205.865	206.000	---	207.585	206.632	208.250	206.962	206.893	---	207.650	10
11	---	207.108	205.829	206.031	---	207.581	206.782	208.268	206.770	206.883	---	207.674	11
12	207.188	207.113	205.791	206.036	---	207.628	207.035	208.114	206.769	206.916	---	207.531	12
13	207.178	207.143	205.773	206.049	209.099	207.586	207.290	207.935	206.755	206.938	---	207.584	13
14	207.109	207.145	205.744	206.069	---	207.665	207.442	207.713	206.604	206.974	---	207.671	14
15	207.027	207.156	205.715	206.075	---	207.818	207.472	207.564	206.667	206.980	207.349	207.595	15
16	207.012	207.125	205.678	206.070	---	207.878	207.393	207.396	206.846	207.224	207.389	207.487	16
17	207.040	207.091	205.662	206.069	---	207.916	207.216	207.212	207.054	207.205	207.358	207.404	17
18	207.134	207.095	205.655	206.057	---	207.901	207.015	207.017	207.173	---	207.373	207.766	18
19	207.226	207.097	205.642	206.044	---	207.826	206.841	206.889	207.180	---	207.374	207.382	19
20	207.288	207.080	205.622	206.050	---	207.662	207.199	206.838	207.118	---	207.376	207.438	20
21	207.327	207.062	205.603	206.066	---	207.558	208.523	206.829	207.081	---	207.380	207.501	21
22	207.355	207.020	205.593	206.088	---	207.546	208.925	206.782	206.975	---	207.388	207.549	22
23	207.384	206.963	205.581	206.110	---	207.533	208.799	206.748	206.968	---	207.397	207.550	23
24	207.403	206.924	205.561	206.119	---	207.445	208.534	206.803	206.878	---	207.531	207.541	24
25	207.381	206.915	205.546	206.124	---	207.350	208.316	206.941	206.903	---	207.731	207.528	25
26	207.356	206.876	205.580	206.146	---	207.287	208.109	207.111	206.900	---	207.737	207.531	26
27	207.308	206.782	205.616	---	---	207.268	207.932	207.260	206.901	---	207.741	207.513	27
28	207.292	206.697	205.630	---	---	207.275	207.718	207.336	206.880	---	207.771	207.497	28
29	207.291		205.683	---	---	207.272	207.604	207.290	206.811	---	207.802	207.477	29
30	207.292		205.716	---	---	207.147	207.519	207.275	206.679	---	207.835	207.451	30
31	207.289		205.726		207.648		207.494	207.257		---		207.417	31
MEAN	---	207.081	205.824	---	---	207.496	207.390	207.302	206.975	---	---	207.535	MEAN
MAX	---	207.290	206.595	---	---	207.916	208.925	208.268	207.285	---	---	207.856	MAX
MIN	---	206.697	205.546	---	---	207.135	206.576	206.748	206.604	---	---	207.366	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 59 30 N
LONG 111 24 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS - STATION NO. 07HA007

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	206.265	207.192	208.640	208.685	209.060	208.703	208.583	208.308	---	1
2	---	---	---	206.309	207.424	208.511	208.694	209.114	208.806	208.630	208.250	---	2
3	---	207.633	207.008	206.293	207.586	---	208.800	209.086	208.716	208.641	208.235	208.242	3
4	---	207.635	206.893	206.276	207.723	---	208.860	208.946	208.738	208.576	208.220	208.257	4
5	---	207.626	206.806	206.254	207.839	---	208.752	208.777	208.744	208.542	208.215	208.280	5
6	207.849	207.588	206.727	206.198	207.952	---	208.692	208.840	208.717	208.572	208.251	208.260	6
7	---	207.564	206.685	206.166	208.065	---	208.580	208.790	208.504	208.614	208.218	208.263	7
8	---	207.539	206.667	206.161	208.119	---	208.606	208.830	208.641	208.557	208.213	208.301	8
9	---	207.539	206.658	206.191	---	208.544	208.578	208.853	208.710	208.540	208.187	208.335	9
10	---	207.523	206.587	206.293	---	208.569	208.685	208.886	208.766	208.558	208.206	208.299	10
11	---	207.503	206.604	206.311	---	208.686	208.740	208.858	208.387	208.391	208.178	208.298	11
12	---	207.478	206.500	206.304	---	208.713	208.760	208.806	208.718	208.543	208.215	208.291	12
13	---	207.484	206.496	206.319	208.898	208.721	208.756	208.736	208.695	208.496	208.231	208.283	13
14	---	207.499	206.469	206.350	---	208.676	208.800	208.740	208.531	208.531	208.288	208.262	14
15	---	207.501	206.441	206.360	---	208.588	208.817	208.855	208.665	208.584	208.279	208.236	15
16	---	207.544	206.391	206.321	---	208.688	208.833	208.877	208.721	208.993	208.258	208.234	16
17	---	207.489	206.412	206.335	---	208.625	208.775	208.859	208.643	208.678	208.295	208.192	17
18	---	207.455	206.404	206.290	---	208.587	208.563	208.729	208.682	208.460	208.239	208.164	18
19	---	207.470	206.376	206.253	---	208.612	208.605	208.714	208.690	208.382	208.275	208.156	19
20	---	207.441	206.330	206.282	---	208.752	208.599	208.766	208.680	208.537	208.276	208.164	20
21	---	207.400	206.314	206.302	---	208.670	208.884	208.787	208.667	208.598	208.262	208.164	21
22	---	207.399	206.279	206.307	---	208.533	209.081	208.752	208.686	208.642	208.255	208.196	22
23	---	207.351	206.252	206.366	---	208.587	208.982	208.739	208.709	208.365	208.260	208.207	23
24	---	207.317	206.200	206.405	---	208.565	208.927	208.684	208.663	208.582	208.276	208.183	24
25	---	207.265	206.224	206.437	208.569	208.572	208.891	208.629	208.637	208.554	208.285	208.189	25
26	---	---	206.373	206.504	208.638	208.578	208.862	208.671	208.706	208.569	208.291	208.163	26
27	---	---	206.366	206.584	208.658	208.642	208.821	208.808	208.718	208.453	208.272	208.162	27
28	---	---	206.323	206.658	208.573	208.671	208.809	208.804	208.736	208.561	208.266	208.146	28
29	---		206.264	206.780	208.585	208.702	208.881	208.751	208.662	208.349	208.275	208.133	29
30	---		206.250	206.916	208.628	208.580	208.824	208.764	208.612	208.473	208.261	208.121	30
31	---		206.226		208.565		208.930	208.721		208.431		208.141	31
MEAN	---	---	---	206.360	---	---	208.780	208.814	208.675	208.548	208.251	---	MEAN
MAX	---	---	---	206.916	---	---	209.081	209.114	208.806	208.993	208.308	---	MAX
MIN	---	---	---	206.161	---	---	208.578	208.629	208.387	208.349	208.178	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.114 ON AUG 2

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 55 N
LONG 111 10 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS - STATION NO. 07NA008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	207.187	207.619	207.301	206.678	---	---	1
2	---	---	---	---	---	---	207.147	207.598	207.354	206.715	---	---	2
3	---	---	---	---	---	---	207.072	207.506	207.351	206.731	---	---	3
4	---	---	---	---	---	---	207.143	207.316	207.351	206.724	---	---	4
5	---	---	---	---	---	---	207.024	207.086	207.343	206.699	---	---	5
6	---	---	---	---	---	---	206.916	206.994	207.299	206.698	---	---	6
7	---	---	---	---	---	---	206.786	206.949	207.120	206.765	---	---	7
8	---	---	---	---	---	---	206.737	207.302	206.993	206.828	---	---	8
9	---	---	---	---	---	---	206.703	207.972	206.996	206.869	---	---	9
10	---	---	---	---	---	---	206.763	208.283	207.078	206.950	---	---	10
11	---	---	---	---	---	---	206.901	208.306	206.847	206.922	---	---	11
12	---	---	---	---	---	---	207.126	208.161	206.896	206.971	---	---	12
13	---	---	---	---	---	---	207.368	207.986	206.874	---	---	---	13
14	---	---	---	---	---	207.709	207.517	207.790	206.700	---	---	---	14
15	---	---	---	---	---	---	207.548	207.664	206.782	---	---	---	15
16	---	---	---	---	---	---	207.462	207.509	206.952	---	---	---	16
17	---	---	---	---	---	---	207.265	207.331	207.142	---	---	---	17
18	---	---	---	---	---	---	207.047	207.131	207.259	---	---	---	18
19	---	---	---	---	---	---	206.885	206.998	207.255	---	---	---	19
20	---	---	---	---	---	---	207.229	206.958	207.194	---	---	---	20
21	---	---	---	---	---	---	208.569	206.949	207.125	---	---	---	21
22	---	---	---	---	---	207.584	---	206.892	207.063	---	---	---	22
23	---	---	---	---	---	207.589	---	206.859	206.995	---	---	---	23
24	---	---	---	---	---	207.509	---	206.903	206.959	---	---	---	24
25	---	---	---	---	---	207.425	---	207.026	206.986	---	---	---	25
26	---	---	---	---	---	207.374	---	207.180	206.989	---	---	---	26
27	---	---	---	---	---	207.360	207.971	207.332	206.981	---	---	---	27
28	---	---	---	---	---	207.367	207.788	207.403	206.959	---	---	---	28
29	---		---	---	---	207.384	207.683	207.350	206.892	---	---	---	29
30	---		---	---	---	207.271	207.595	207.331	206.747	---	---	---	30
31	---		---		---		207.580	207.305		---		---	31
MEAN	---	---	---	---	---	---	---	207.386	207.059	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	208.306	207.354	---	---	---	MAX
MIN	---	---	---	---	---	---	---	206.859	206.700	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 55 35 N
LONG 111 12 15 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ROBERT CREEK NEAR ANIAC - STATION NO. 07CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.312	0.113	0.128	0.055	0.039	---	---	1
2	---	---	---	---	---	0.249	0.132	0.161	0.058	0.040	---	---	2
3	---	---	---	---	---	0.255	0.171	0.292	0.060	0.042	---	---	3
4	---	---	---	---	---	0.242	0.228	0.522	0.048	0.037	---	---	4
5	---	---	---	---	---	0.226	0.332	0.488	0.046	0.039	---	---	5
6	---	---	---	---	---	0.218	0.352	0.381	0.046	0.043	---	---	6
7	---	---	---	---	---	0.188	0.281	0.304	0.042	0.047	---	---	7
8	---	---	---	---	---	0.168	0.234	0.243	0.039	0.041	---	---	8
9	---	---	---	---	---	0.140	0.200	0.186	0.053	0.034	---	---	9
10	---	---	---	---	---	0.132	0.173	0.148	0.098	0.031	---	---	10
11	---	---	---	---	---	0.116	0.148	0.226	0.125	0.034	---	---	11
12	---	---	---	---	---	0.107	0.137	0.343	0.111	0.033	---	---	12
13	---	---	---	---	---	0.103	0.137	0.258	0.098	0.034	---	---	13
14	---	---	---	---	---	0.095	0.125	0.197	0.092	0.033	---	---	14
15	---	---	---	---	---	0.087	0.144	0.169	0.089	0.031	---	---	15
16	---	---	---	---	---	0.083	0.193	0.151	0.083	0.055	---	---	16
17	---	---	---	---	---	0.087	0.137	0.146	0.078	0.082	---	---	17
18	---	---	---	---	---	0.081	0.136	0.141	0.070	0.087	---	---	18
19	---	---	---	---	---	0.069	0.133	0.119	0.062	0.078	---	---	19
20	---	---	---	---	---	0.061	0.133	0.102	0.054	0.059B	---	---	20
21	---	---	---	---	0.513A	0.058	0.127	0.096	0.048	0.052B	---	---	21
22	---	---	---	---	0.458	0.052	0.170	0.085	0.056	0.050B	---	---	22
23	---	---	---	---	0.552	0.048	0.340	0.080	0.049	0.057B	---	---	23
24	---	---	---	---	0.727	0.046	0.363	0.086	0.046	0.061B	---	---	24
25	---	---	---	---	0.618	0.050	0.280	0.085	0.049	0.065B	---	---	25
26	---	---	---	---	0.515	0.054	0.235	0.075	0.052	0.070B	---	---	26
27	---	---	---	---	0.471	0.070	0.193	0.071	0.049	0.069B	---	---	27
28	---	---	---	---	0.487	0.075	0.165	0.083	0.049	0.068B	---	---	28
29	---		---	---	0.402	0.075	0.150	0.076	0.045	0.067B	---	---	29
30	---		---	---	0.359	0.094	0.141	0.081	0.041	0.066B	---	---	30
31	---		---		0.342		0.131	0.083		0.065B		---	31
TOTAL	---	---	---	---	---	3.649	5.884	5.686	1.891	1.609	---	---	TOTAL
MEAN	---	---	---	---	---	0.122	0.190	0.181	0.063	0.052	---	---	MEAN
MAX	---	---	---	---	---	0.312	0.363	0.522	0.125	0.087	---	---	MAX
MIN	---	---	---	---	---	0.046	0.113	0.071	0.039	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 20 00 N
LONG 110 58 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	588
FEB	---	AUG	568
MAR	---	SEP	163
APR	---	OCT	139
MAY	---	NOV	---
JUN	315	DEC	---

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.002B	0.015B	0.006	0.002	0.026	0.010	0.002	0.004B	---	1
2	---	---	---	0.002B	0.004B	0.006	0.002	0.077	0.009	0.002	0.005B	---	2
3	---	---	---	0.002B	0.189	0.005	0.002	0.452	0.007	0.002	0.007B	---	3
4	---	---	---	0.002B	0.255	0.004	0.003	0.738	0.006	0.001	---	---	4
5	---	---	---	0.002B	0.213	0.005	0.002	0.491	0.005	0.002	---	---	5
6	---	---	---	0.003B	0.287	0.005	0.002	0.265	0.004	0.002	---	---	6
7	---	---	---	0.001B	0.296	0.003	0.001	0.147	0.004	0.002	---	---	7
8	---	---	---	0.001B	0.253	0.003	0.001	0.037	0.003	0.002	0.006B	---	8
9	---	---	---	0.002B	0.196	0.003	0	0.091	0.003	0.002	---	---	9
10	---	---	---	0.001B	0.155	0.008	0	0.008	0.003	0.002	---	---	10
11	---	---	---	0.001B	0.189	0.003	0	0.004	0.003	0.002	---	---	11
12	---	---	---	0.002B	0.158	0.002	0	0.003	0.003	0.002	---	---	12
13	---	---	---	0.002B	0.090	0.002	0.001	0.002	0.002	0.002	---	---	13
14	---	---	---	0.002B	0.070	0.002	0.003	0.002	0.002	0.002	---	---	14
15	---	---	---	0.002B	0.084	0.002	0.153	0.003	0.003	0.002	---	---	15
16	---	---	---	0.002B	0.118	0.001	0.269	0.002	0.003	0.002B	---	---	16
17	---	---	---	0.002B	0.096	0.001	0.191	0.004	0.002	0.002B	---	---	17
18	---	---	---	0.002B	0.072	0.001	0.027	0.003	0.002	0.002B	---	---	18
19	---	---	---	0.003B	0.066	0.001	0.007	0.003	0.002	0.002B	---	---	19
20	---	---	---	0.004B	0.049	0.001	0.006	0.003	0.002	0.002B	---	---	20
21	---	---	0.001B	0.006B	0.033	0.001	0.004	0.003	0.002	0.002B	---	---	21
22	---	---	0.002B	0.011B	0.030	0.001	0.004	0.003	0.002	0.002B	0.004B	---	22
23	---	---	0.001B	0.011B	0.023	0.001	0.005	0.003	0.002	0.002B	---	---	23
24	---	---	0.001B	0.011B	0.024	0	0.007	0.003	0.002	0.002B	---	---	24
25	---	---	0.002B	0.012B	0.020	0	0.003	0.005	0.002	0.002B	---	---	25
26	---	---	0.001B	0.014B	0.013	0	0.003	0.004	0.002	0.002B	---	---	26
27	---	---	0.001B	0.013B	0.013	0	0.002	0.004	0.002	0.002B	---	---	27
28	---	---	0.002B	0.013B	0.010	0	0.002	0.003	0.002	0.003B	---	---	28
29	---		0.001B	0.014B	0.010	0	0.001	0.003	0.002	0.004B	---	---	29
30	---		0.002B	0.013B	0.007	0.001	0.001	0.003	0.002	0.004B	0.003B	---	30
31	---		0.004B		0.007		0.001	0.003		0.004B		---	31
TOTAL	---	---	---	0.158	3.065	0.068	0.705	2.380	0.099	0.068	---	---	TOTAL
MEAN	---	---	---	0.005	0.099	0.002	0.023	0.077	0.003	0.002	---	---	MEAN
MAX	---	---	---	0.014	0.296	0.008	0.269	0.720	0.010	0.004	---	---	MAX
MIN	---	---	---	0.001	0.007	0	0	0.002	0.002	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.720 ON AUG 4
MINIMUM DAILY, 0 ON JUN 24
MAXIMUM INSTANTANEOUS,
1.59 AT 02:33 MST ON AUG 3

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 05 N
LONG 117 46 35 W
DRAINAGE AREA, 18.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	60.9
FEB	---	AUG	206
MAR	---	SEP	8.55
APR	13.7	OCT	5.88
MAY	265	NOV	---
JUN	5.86	DEC	---

ROLLING HILLS CANAL NO. 1 SPILL - STATION NO. 05BW015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.931	4.41	1.95	0.878	0.360	0.003B	---	1
2	---	---	---	---	0	0.679	4.55	1.05	0.849	0.602	0.002B	---	2
3	---	---	---	---	0	0.415	2.80	1.15	0.689	0.625	0.002B	---	3
4	---	---	---	---	0	0.183	3.44	1.12	0.630	0.499	0.001B	---	4
5	---	---	---	---	0	0.092	3.90	1.08	0.637	0.309	---	---	5
6	---	---	---	---	0	0.181	2.41	0.523	0.618	0.161	---	---	6
7	---	---	---	---	1.01	0.369	1.34	0.371	0.650	0.374	---	---	7
8	---	---	---	---	0.139	0.240	0.839	0.368	0.670	0.473	---	---	8
9	---	---	---	---	0.197	0.454	1.52	0.120	0.591	0.416	---	---	9
10	---	---	---	---	0.173	0.457	1.61	0.115	0.599	0.432	---	---	10
11	---	---	---	---	1.12	0.449	1.38	0.088	0.595	0.415	---	---	11
12	---	---	---	---	1.16	0.384	0.743	0.288	0.685	0.365	---	---	12
13	---	---	---	---	0.930	0.239	0.249	0.547	0.910	0.278	---	---	13
14	---	---	---	---	0.235	0.369	0.196	0.374	1.00	0.249	---	---	14
15	---	---	---	---	0.052	0.258	0.076	0.651	0.742	0.216	---	---	15
16	---	---	---	---	0.020	0.265	0.131	0.787	0.708	0.030	---	---	16
17	---	---	---	---	0.019	0.166	0.123	0.719	0.730	0.012	---	---	17
18	---	---	---	---	0.049	0.488	0.127	0.963	0.503	0.010B	---	---	18
19	---	---	---	---	0.011	0.604	0.161	0.982	0.312	0.005B	---	---	19
20	---	---	---	---	0.013	0.658	0.219	0.999	0.309	0.003B	---	---	20
21	---	---	---	---	0.667	0.708	0.077	1.25	0.298	0.003B	---	---	21
22	---	---	---	---	0.974	0.672	0.487	1.28	0.568	0.003B	---	---	22
23	---	---	---	---	0.689	0.792	0.411	1.35	0.552	0.001B	---	---	23
24	---	---	---	---	0.486	1.48	0.334	1.24	0.482	0 B	---	---	24
25	---	---	---	---	0.243	1.43	0.357	1.14	0.478	0.009B	---	---	25
26	---	---	---	BA	0.223	0.621	0.821	1.02	0.536	0.016B	---	---	26
27	---	---	---	0	0.460	0.874	1.56	0.596	0.636	0.010B	---	---	27
28	---	---	---	0	0.729	0.742	1.97	0.894	0.901	0.009B	---	---	28
29	---		---	0	0.789	0.631	1.44	0.892	0.656	0.007B	---	---	29
30	---		---	0	0.312	2.34	1.09	0.927	0.361	0.006B	---	---	30
31	---		---		0.262		1.50	0.878		0.005B		---	31
TOTAL	---	---	---	---	10.912	17.771	40.271	25.632	18.765	5.903	---	---	TOTAL
MEAN	---	---	---	---	0.352	0.592	1.30	0.827	0.626	0.190	---	---	MEAN
MAX	---	---	---	---	1.16	2.34	4.55	1.95	1.00	0.625	---	---	MAX
MIN	---	---	---	---	0	0.092	0.076	0.088	0.290	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.648
MAXIMUM DAILY, 4.55 ON JUL 2
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 00 N
LONG 111 49 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 480
FEB	---	AUG	2 210
MAR	---	SEP	1 620
APR	---	OCT	510
MAY	943	NOV	---
JUN	1 540	DEC	---

TOTAL DISCHARGE, 10 300 dam³

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.369	0.311	0.947	0.225	0.252	0.003B	---	1
2	---	---	---	---	0	0.422	0.409	0.830	0.198	0.236	0.004B	---	2
3	---	---	---	---	0	0.405	0.558	0.748	0.132	0.581	0.003B	---	3
4	---	---	---	---	0	0.425	0.692	0.642	0.208	0.355	0.001B	---	4
5	---	---	---	---	0	0.162	0.715	0.541	0.198	0.189	---	---	5
6	---	---	---	---	0	0.158	0.712	0.349	0.191	0.104	---	---	6
7	---	---	---	---	0.237	0.278	0.911	0.287	0.224	0.225	---	---	7
8	---	---	---	---	1.10	0.311	0.596	0.413	0.306	0.404	---	---	8
9	---	---	---	---	0.382	0.177	0.929	0.489	0.384	0.376	---	---	9
10	---	---	---	---	0.330	0.202	0.488	0.508	0.409	0.387	---	---	10
11	---	---	---	---	0.412	0.197	0.270	0.513	0.432	0.348	---	---	11
12	---	---	---	---	0.487	0.215	0.095	0.547	0.471	0.326	---	---	12
13	---	---	---	---	0.430	0.235	0.122	0.688	0.334	0.242	---	---	13
14	---	---	---	---	0.294	0.253	0.473	0.695	0.302	0.183	---	---	14
15	---	---	---	---	0.167	0.150	0.251	0.724	0.142	0.159	---	---	15
16	---	---	---	---	0.066	0.217	0.247	0.626	0.204	0.163	---	---	16
17	---	---	---	---	0.088	0.195	0.313	0.479	0.223	0.031	---	---	17
18	---	---	---	---	0.244	0.278	0.306	0.506	0.240	0.084	---	---	18
19	---	---	---	---	0.242	0.544	0.313	0.487	0.225	0.113	---	---	19
20	---	---	---	---	0.071	0.342	0.366	0.440	0.207	0.097	---	---	20
21	---	---	---	---	0.086	0.248	0.081	0.380	0.194	0.073	---	---	21
22	---	---	---	---	0.339	0.158	0.172	0.302	0.202	0.055	---	---	22
23	---	---	---	---	0.422	0.209	0.176	0.292	0.391	0.042	---	---	23
24	---	---	---	---	0.395	0.431	0.411	0.252	0.311	0.029	---	---	24
25	---	---	---	---	0.417	0.701	0.539	0.226	0.398	0.025	---	---	25
26	---	---	---	0A	0.536	0.843	0.605	0.659	0.429	0.023	---	---	26
27	---	---	---	0	0.563	0.543	0.509	0.752	0.524	0.021	---	---	27
28	---	---	---	0	0.462	0.467	0.514	0.538	0.525	0.016B	---	---	28
29	---		---	0	0.493	0.229	0.505	0.435	0.269	0.009B	---	---	29
30	---		---	0	0.463	0.368	0.646	0.235	0.086	0.005B	---	---	30
31	---		---		0.210		0.932	0.244		0.004B		---	31
TOTAL	---	---	---	---	8.916	9.332	14.067	15.854	8.659	5.440	---	---	TOTAL
MEAN	---	---	---	---	0.288	0.311	0.454	0.511	0.289	0.175	---	---	MEAN
MAX	---	---	---	---	1.10	0.701	0.932	0.947	0.525	0.581	---	---	MAX
MIN	---	---	---	---	0	0.150	0.081	0.226	0.086	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.338
MAXIMUM DAILY, 1.10 ON MAY 8
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 59 N
LONG 111 41 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 220
FEB	---	AUG	1 370
MAR	---	SEP	748
APR	---	OCT	470
MAY	770	NOV	---
JUN	806	DEC	---

TOTAL DISCHARGE, 5 380 dam³

BOLPH CREEK NEAR KINBALL - STATION NO. 05AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.140B	0.294	0.353	0.222	0.060	0	0	0.011	---	1
2	---	---	0 B	0.129B	0.264	0.290	0.247	0.050	0	0	0.012B	---	2
3	---	---	0 B	0.110B	0.255	0.249	0.216	0.044	0	0	---	---	3
4	---	---	0 B	0.090B	0.243	0.206	0.189	0.037	0	0	---	---	4
5	---	---	0 B	0.075B	0.224	0.215	0.171	0.028	0	0.019	---	---	5
6	---	---	0 B	0.060B	0.210	0.236	0.154	0.018	0	0.026	---	---	6
7	---	---	0 B	0.049B	0.208	0.266	0.107	0.012	0	0.023	---	---	7
8	---	---	0 B	0.044B	0.210	0.282	0.146	0.001	0	0.021	---	---	8
9	---	---	0 B	0.044B	0.219	0.266	0.140	0.001	0	0.018	---	---	9
10	---	---	0 B	0.070B	0.235	0.244	0.132	0	0	0.014	---	---	10
11	---	---	0 B	1.80 B	0.242	0.215	0.129	0	0	0.013	---	---	11
12	---	---	0 B	3.90 B	0.239	0.200	0.125	0	0	0.013	---	---	12
13	---	---	0 B	6.60 B	0.221	0.185	0.129	0	0	0.012	---	---	13
14	---	---	0 B	9.50 B	0.213	0.174	0.126	0	0	0.011	---	---	14
15	---	---	0 B	7.55	0.210	0.171	0.120	0	0	0.010	---	---	15
16	---	---	0 B	5.16	0.204	0.182	0.117	0	0	0.010	---	---	16
17	---	---	0 B	3.62	0.199	0.180	0.114	0	0	0.011	---	---	17
18	---	---	0.003B	2.59	0.202	0.175	0.115	0	0	0.013	---	---	18
19	---	---	0.012B	1.87	0.217	0.181	0.118	0	0	0.012	---	---	19
20	---	---	0.022B	1.11	0.228	0.173	0.115	0	0	0.013	---	---	20
21	---	---	0.030B	0.994	0.242	0.164	0.109	0	0	0.013	---	---	21
22	---	---	0.035B	1.12	0.220	0.161	0.099	0	0	0.014	---	---	22
23	---	---	0.030B	1.00	0.203	0.158	0.089	0	0	0.016	---	---	23
24	---	---	0.022B	0.854	0.185	0.149	0.085	0	0	0.017	---	---	24
25	---	---	0.020B	0.750	0.180	0.153	0.084	0	0	0.017	---	---	25
26	---	---	0.008B	0.593	0.188	0.144	0.092	0	0	0.016	---	---	26
27	---	---	0.255B	0.475	0.224	0.145	0.083	0	0	0.012	---	---	27
28	---	---	0.230B	0.401	0.280	0.147	0.086	0	0	0.013	---	---	28
29	---		0.208B	0.349	0.357	0.169	0.086	0	0	0.012	---	---	29
30	---		0.190B	0.315	0.416	0.211	0.081	0	0	0.011	---	---	30
31	---		0.160B		0.401		0.070	0		0.011		---	31
TOTAL	---	---	1.307	51.370	7.433	6.044	3.936	0.251	0	0.386	---	---	TOTAL
MEAN	---	---	0.042	1.71	0.240	0.201	0.127	0.008	0	0.012	---	---	MEAN
MAX	---	---	0.255	9.50	0.416	0.353	0.247	0.060	0	0.024	---	---	MAX
MIN	---	---	0	0.044	0.180	0.144	0.070	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.289
MAXIMUM DAILY, 9.50B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 30 N
LONG 113 08 30 W
DRAINAGE AREA, 219 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	340
FEB	---	AUG	21.7
MAR	113	SEP	0
APR	4 440	OCT	33.4
MAY	642	NOV	---
JUN	523	DEC	---

TOTAL DISCHARGE, 6 110 dam³

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	2.67	0.069	0	0.081	0.001	0	---	---	1
2	---	---	---	0 B	2.16	0.062	0	0.121	0	0	---	---	2
3	---	---	---	0 B	1.76	0.058	0	0.063	0	0	---	---	3
4	---	---	---	0 B	1.43	0.055	0	0.051	0	0	---	---	4
5	---	---	---	0 B	1.09	0.051	0	0.069	0.001	0	---	---	5
6	---	---	---	0 B	0.987	0.048	0	0.125	0.001	0	---	---	6
7	---	---	---	0 B	0.798	0.064	0	0.048	0	0	---	---	7
8	---	---	---	0 B	0.678	0.049	0.478	0.019	0	0	---	---	8
9	---	---	---	0 B	0.576	0.038	0.339	0.011	0	0	---	---	9
10	---	---	---	0 B	0.492	0.034	0.225	0.007	0	0	---	---	10
11	---	---	---	0 B	0.416	0.033	0.158	0.006	0	0	---	---	11
12	---	---	---	0 B	0.358	0.033	0.109	0.003	0	0	---	---	12
13	---	---	---	0 B	0.313	0	0.109	0	0	0	---	---	13
14	---	---	---	0 B	0.277	0	0.137	0	0	0	---	---	14
15	---	---	---	0 B	0.243	0	0.138	0	0	0	---	---	15
16	---	---	---	0.0018	0.219	0	0.481	0	0	0	---	---	16
17	---	---	---	0.001	0.205	0	0.377	0	0	0	---	---	17
18	---	---	---	0.001	0.178	0	0.182	0	0	0	---	---	18
19	---	---	---	0.015	0.187	0	0.118	0.006	0	0	---	---	19
20	---	---	---	0.009	0.211	0	0.105	0.004	0	0	---	---	20
21	---	---	---	1.06	0.191	0	0.085	0	0	0	---	---	21
22	---	---	---	3.06	0.151	0	0.082	0	0	0	---	---	22
23	---	---	---	14.5	0.176	0	0.371	0	0	0	---	---	23
24	---	---	---	16.8	0.198	0	0.302	0	0	0	---	---	24
25	---	---	---	14.9 E	0.144	0	0.170	0	0	0	---	---	25
26	---	---	---	11.0 E	0.122	0	0.105	0	0	0	---	---	26
27	---	---	---	9.29 E	0.107	0	0.068	0	0	0	---	---	27
28	---	---	---	7.31 E	0.102	0	0.053	0	0	0	---	---	28
29	---		---	5.04 E	0.092	0	0.042	0	0	0	---	---	29
30	---		---	4.25 E	0.083	0	0.032	0.008	0	0	---	---	30
31	---		---		0.073		0.027	0.008		0		---	31
TOTAL	---	---	---	87.237	16.687	0.594	4.289	0.630	0.003	0	---	---	TOTAL
MEAN	---	---	---	2.91	0.538	0.020	0.138	0.020	0	0	---	---	MEAN
MAX	---	---	---	16.8	2.67	0.069	0.481	0.125	0.001	0	---	---	MAX
MIN	---	---	---	0	0.073	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.511
MAXIMUM DAILY, 16.8 ON APR 24
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
18.0 AT 13:00 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 04 20 N
LONG 114 54 05 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	371
FEB	---	AUG	54.4
MAR	---	SEP	0.26
APR	7 540	OCT	0
MAY	1 440	NOV	---
JUN	51.3	DEC	---

TOTAL DISCHARGE, 9 460 dam³

ROMAINE WASTEWAY NEAR HAYS - STATION NO. 05BN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	1.68	0.745	2.37	0.537	0.949	2.13	---	1
2	---	---	---	---	0	1.79	1.09	2.77	0.534	0.966	1.81	---	2
3	---	---	---	---	0	1.91	1.69	2.21	0.519	0.989	1.61	---	3
4	---	---	---	---	0	1.90	0.893	1.99	0.532	0.982	1.56	---	4
5	---	---	---	---	0	2.23	1.11	2.03	0.542	1.04	1.44	---	5
6	---	---	---	---	0	2.38	1.01	1.23	0.635	1.04	1.02	---	6
7	---	---	---	---	0	2.06	0.763	1.35	0.722	1.32	0.396B	---	7
8	---	---	---	---	0	2.64	0.968	1.41	0.644	1.22	0.305B	---	8
9	---	---	---	---	0	1.65	0.931	1.36	0.584	1.27 E	0.259B	---	9
10	---	---	---	---	0	1.67	1.34	1.28	0.563	1.32 E	0.124B	---	10
11	---	---	---	---	0	1.12	1.47	1.39	0.573	1.37 E	0.060B	---	11
12	---	---	---	---	0	0.513	1.30	1.12	0.576	1.42 E	0.030B	---	12
13	---	---	---	---	0	1.04	0.786	0.730	0.596	1.47 E	0 B	---	13
14	---	---	---	---	0	0.983	0.568	0.713	0.616	1.51	0 B	---	14
15	---	---	---	---	0	1.09	0.529	0.816	0.680	1.56	0 B	---	15
16	---	---	---	---	0	1.17	0.544	0.899	0.646	1.56	0 B	---	16
17	---	---	---	---	0	1.13	0.594	0.907	0.619	1.59	0 B	---	17
18	---	---	---	---	0.456	1.33	0.608	0.776	0.644	1.60	0 B	---	18
19	---	---	---	---	2.08	1.82	0.677	0.594	0.706	1.33	0 B	---	19
20	---	---	---	---	1.90	2.20	0.379	0.550	0.725	1.44	0 B	---	20
21	---	---	---	---	1.52	1.93	0.254	0.731	0.768	0.935	0 B	---	21
22	---	---	---	0A	1.62	1.32	0.699	0.729	0.776	1.50	0 B	---	22
23	---	---	---	0	1.86	0.706	0.707	0.774	0.796	1.34	0 B	---	23
24	---	---	---	0	2.02	0.539	0.465	0.593	0.797	1.75	0 B	---	24
25	---	---	---	0	1.85	0.544	0.311	0.529	0.813	1.38	0 B	---	25
26	---	---	---	0	1.29	0.514	0.673	0.589	0.879	1.34	0 B	---	26
27	---	---	---	0	1.71	0.496	0.910B	0.788	1.01	2.45	0 B	---	27
28	---	---	---	0	2.52	0.432	1.15 E	0.826	0.970	3.52	0 B	---	28
29	---		---	0	2.18	0.408	1.39 E	0.964	0.967	3.37	0 B	---	29
30	---		---	0	1.86	0.420	1.63 E	0.923	0.910	2.75	0 B	---	30
31	---		---		1.78		1.87	0.644		2.41		---	31
TOTAL	---	---	---	---	24.646	40.415	28.034	34.488	20.849	48.511	10.724	---	TOTAL
MEAN	---	---	---	---	0.795	1.35	0.904	1.11	0.695	1.56	0.357	---	MEAN
MAX	---	---	---	---	2.52	2.86	1.87	2.77	1.01	3.52	2.13	---	MAX
MIN	---	---	---	---	0	0.408	0.254	0.529	0.519	0.935	0	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 3.52 ON OCT 28
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 111 35 08 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 620
FEB	---	AUG	2 900
MAR	---	SEP	1 000
APR	---	OCT	4 190
MAY	2 130	NOV	937
JUN	3 490	DEC	---

TOTAL DISCHARGE, 17 000 dam³

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.088B	0.238B	6.87B	1.20	1.49	1.73	0.710	1.57	0.000B	---	1
2	---	---	0.094B	0.216B	6.07	1.01	2.11	1.70	0.700	1.48	0.000B	---	2
3	---	---	0.088B	0.200B	5.72	0.936	7.12	1.51	0.655	4.39	---	---	3
4	---	---	0.101B	0.190B	4.73	0.838	27.6	1.43	0.605	6.81	---	---	4
5	---	---	0.116B	0.161B	4.37	0.889	97.0	1.23	1.60	4.95	---	---	5
6	---	---	0.096B	0.204B	4.43	2.15	80.2	1.03	2.25	4.06	---	---	6
7	---	---	0.082B	0.204B	4.00	3.13	49.4	0.818	1.68	3.63	---	---	7
8	---	---	0.088B	0.209B	3.70	2.83	28.5	0.638	1.26	3.17	---	---	8
9	---	---	0.088B	0.219B	3.26	3.36	21.9	0.536	0.968	2.76	---	---	9
10	---	---	0.093B	0.200B	2.95	2.14	15.9	0.494	0.824	2.55	---	---	10
11	---	---	0.095B	0.220B	2.78	2.00	11.4	0.485	0.743	2.35	---	---	11
12	---	---	0.088B	0.250B	3.69	1.79	15.1	0.470	0.701	2.38	---	---	12
13	---	---	0.081B	0.300B	2.38	1.52	14.3	0.424	0.538	2.15	---	---	13
14	---	---	0.084B	0.380B	2.19	1.22	11.1	0.858	0.473	2.06	---	---	14
15	---	---	0.078B	0.450B	2.12	0.966	14.3	1.90	0.455	1.95	---	---	15
16	---	---	0.078B	0.500B	3.32	1.01	11.6	1.91	0.444	1.92	---	---	16
17	---	---	0.068B	0.550B	2.56	1.13	8.31	1.37	0.482	1.88	---	---	17
18	---	---	0.077B	0.591B	2.50	1.03	6.27	0.976	0.512	1.82	---	---	18
19	---	---	0.075B	0.332B	3.74	0.814	5.17	0.709	0.460	1.79	---	---	19
20	---	---	0.082B	0.901B	4.08	0.570	4.97	0.526	0.404	1.77	---	---	20
21	---	---	0.089B	2.83 B	3.37	0.523	6.72	0.464	0.357	1.74	---	---	21
22	---	---	0.098B	7.62 B	2.83	0.490	12.1	0.470	0.348	1.70	---	---	22
23	---	---	0.131B	14.1 B	2.51	0.494	12.2	0.668	0.310	1.76	---	---	23
24	---	---	0.136B	13.8 B	2.27	0.538	7.85	0.582	0.309	1.78	---	---	24
25	---	---	0.165B	10.6 B	1.94	0.788	5.62	0.559	0.300	1.80	---	---	25
26	---	---	0.168B	8.65 B	1.83	0.961	4.19	0.826	0.323	1.78	---	---	26
27	---	---	0.191B	7.75 B	1.77	0.973	3.36	1.24	0.907	1.75	---	---	27
28	---	---	0.214B	9.21 B	1.83	0.995	2.75	1.13	1.68	1.76	---	---	28
29	---		0.255B	8.46 B	1.73	1.23	2.25	0.975	1.42	1.74	---	---	29
30	---		0.276B	7.27 B	1.49	1.53	1.89	0.851	1.49	1.40B	---	---	30
31	---		0.273B		1.36		1.77	0.747		1.10B		---	31
TOTAL	---	---	3.692	96.795	96.41	38.055	495.24	29.256	24.060	73.75	---	---	TOTAL
MEAN	---	---	0.119	3.23	3.11	1.27	16.0	0.944	0.802	2.38	---	---	MEAN
MAX	---	---	0.276	14.1	6.87	3.13	97.0	1.91	2.25	6.81	---	---	MAX
MIN	---	---	0.068	0.161	1.36	0.490	1.49	0.424	0.300	1.10	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.50
MAXIMUM DAILY, 97.0 ON JUL 5
MINIMUM DAILY, 0.068B ON MAR 17
MAXIMUM INSTANTANEOUS,
106 AT 22:00 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 48 N
LONG 115 00 36 W
DRAINAGE AREA, 534 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42 800
FEB	---	AUG	2 530
MAR	319	SEP	2 080
APR	8 360	OCT	6 370
MAY	8 330	NOV	---
JUN	3 290	DEC	---

TOTAL DISCHARGE, 74 100 dam³

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.66B	1.44	2.51	3.02	1.41E	3.11	3.52	0.379	---	1
2	---	---	0 B	1.63B	1.32 E	2.21	3.33	1.53	3.81	3.26	---	---	2
3	---	---	0 B	2.01B	1.19	3.04	3.91	1.66	3.51E	2.99	---	---	3
4	---	---	0 B	3.40B	1.07	1.76	4.30E	2.00	3.32	2.97	---	---	4
5	---	---	0 B	2.78B	0.877E	1.75	4.69	2.10	3.10E	2.91	---	---	5
6	---	---	0 B	2.60B	0.682	2.16E	5.00	2.23	2.98	3.14	---	---	6
7	---	---	0 B	4.00B	0.780	2.56	5.16	2.21	3.09	3.14	---	---	7
8	---	---	0 B	5.40B	0.888	2.34	5.20	2.19	2.98	3.11	---	---	8
9	---	---	0 B	6.80B	0.847E	2.74	4.34	2.19E	2.85	2.90	---	---	9
10	---	---	0 B	8.20B	0.806	2.73	3.87E	2.19	2.80E	2.89	---	---	10
11	---	---	0 B	9.60B	0.812	2.38	3.40E	2.21	2.74	2.55 E	---	---	11
12	---	---	0 B	11.0 B	0.715	2.32E	2.93	2.28	2.61	2.22	---	---	12
13	---	---	0 B	11.2 B	0.725	2.25	2.77	2.17	2.56	2.04	---	---	13
14	---	---	0 B	11.4 B	0.835	2.25	2.77	2.01	2.57	1.86	---	---	14
15	---	---	0 B	10.1 B	0.525	2.56	3.03	2.19	2.46	1.76	---	---	15
16	---	---	0 B	7.80B	1.17	2.32	2.71	2.01	2.46	1.71 E	---	---	16
17	---	---	0 B	6.61B	1.43	2.05	2.39	2.01	2.59	1.65	---	---	17
18	---	---	0 B	6.26B	1.77	2.12	2.27E	2.39	2.55E	1.47	---	---	18
19	---	---	0 B	5.90B	1.62	2.53	2.15	2.58	2.50E	0.982	---	---	19
20	---	---	0.355B	6.49B	1.56	2.43	2.22	2.01	2.46E	0.976	---	---	20
21	---	---	0.710B	3.75B	1.78	2.31	2.15	1.73	2.41E	0.906	---	---	21
22	---	---	1.06 B	3.48	1.56	2.14	1.95	1.82E	2.37E	0.838E	---	---	22
23	---	---	1.06 B	3.21	1.39	1.70	1.71	1.91	2.33E	0.770	---	---	23
24	---	---	2.68 B	3.07	1.32	1.78	1.36	1.91	2.28	0.694E	---	---	24
25	---	---	2.57 B	2.70	1.66	1.75	1.42	1.91	2.28	0.618	---	---	25
26	---	---	3.21 B	2.87	1.58	1.75	1.42	1.95	2.19	0.585	---	---	26
27	---	---	5.30 B	1.89	1.51	1.94	1.43	2.14	2.39	0.438	---	---	27
28	---	---	8.93 B	1.70	2.15	2.09	1.36	2.32	2.76	0.246	---	---	28
29	---		10.9 B	1.68	2.61	2.20	1.11	2.64E	3.36	0.408	---	---	29
30	---		9.32 B	1.61	3.13	2.56	1.06	2.95	3.38	0.289	---	---	30
31	---		7.98 B		2.77		1.38	3.03E		0.329		---	31
TOTAL	---	---	54.775	150.08	62.522	66.17	85.70	65.78	82.72	54.365	---	---	TOTAL
MEAN	---	---	1.77	5.00	1.37	2.21	2.76	2.12	2.76	1.75	---	---	MEAN
MAX	---	---	10.9	11.4	3.13	2.74	5.20	3.03	3.81	3.52	---	---	MAX
MIN	---	---	0	1.61	0.525	1.70	1.06	1.41	2.19	0.289	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.46
MAXIMUM DAILY, 11.4B ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 17 35 N
LONG 113 00 10 W
DRAINAGE AREA, 3 570 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 400
FEB	---	AUG	5 680
MAR	6 730	SEP	7 150
APR	13 800	OCT	4 700
MAY	3 670	NOV	---
JUN	5 720	DEC	---

TOTAL DISCHARGE, 52 100 dam³

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.479B	0.231	0.314	0.066	0.088	0	0.003	---	---	1
2	---	---	0 B	0.390B	0.232	0.248	0.075	0.083	0	0.002	---	---	2
3	---	---	0 B	0.427B	0.205	0.219	0.106	0.065	0	0.003	---	---	3
4	---	---	0 B	0.465B	0.181	0.187	0.157	0.057	0	0.003	---	---	4
5	---	---	0 B	0.502B	0.164	0.162	0.156	0.044	0.002	0.003	---	---	5
6	---	---	0 B	0.339B	0.148	0.171	0.108	0.031	0.001	0.003	---	---	6
7	---	---	0 B	0.331B	0.177	0.158	0.421	0.027	0	0.003	---	---	7
8	---	---	0 B	0.421B	0.191	0.150	0.426	0.020	0	0.002	---	---	8
9	---	---	0 B	0.637B	0.168	0.145	0.383	0.014	0	0.002	---	---	9
10	---	---	0 B	1.30 B	0.163	0.137	0.783	0.009	0	0.002	---	---	10
11	---	---	0 B	1.87 B	0.148	0.129	0.527	0.005	0	0.002	---	---	11
12	---	---	0 B	2.67 B	0.138	0.126	0.351	0.004	0	0.002	---	---	12
13	---	---	0 B	3.71 E	0.113	0.119	0.255	0.002	0	0.001	---	---	13
14	---	---	0 B	3.41 E	0.114	0.139	0.183	0.003	0	0.001	---	---	14
15	---	---	0 B	2.96 E	0.111	0.125	0.132	0.004	0	0.001	---	---	15
16	---	---	0 B	2.57 E	0.115	0.114	0.116	0.002	0	0.001	---	---	16
17	---	---	0.023B	2.25 E	0.124	0.103	0.100	0.001	0	0.003	---	---	17
18	---	---	0.061B	1.89 E	0.136	0.097	0.088	0	0	0.004	---	---	18
19	---	---	0.100B	1.57 E	0.161	0.083	0.083	0	0	0.005	---	---	19
20	---	---	0.138B	1.30 E	0.156	0.075	0.117	0	0	0.005	---	---	20
21	---	---	0.176B	0.777A	0.178	0.059	0.144	0	0	0.005	---	---	21
22	---	---	0.214B	0.722	0.152	0.047	0.161	0	0	0.005	---	---	22
23	---	---	0.253B	0.616	0.153	0.079	0.131	0	0	0.005	---	---	23
24	---	---	0.291B	0.574	0.165	0.087	0.111	0	0	0.004	---	---	24
25	---	---	0.329B	0.467	0.137	0.077	0.102	0	0	0.004	---	---	25
26	---	---	0.393B	0.388	0.109	0.070	0.083	0	0	0.003	---	---	26
27	---	---	0.690B	0.308	0.223	0.067	0.079	0.002	0	0.003	---	---	27
28	---	---	1.26 B	0.259	0.288	0.071	0.082	0.002	0.001	0.002	---	---	28
29	---		1.44 B	0.228	0.451	0.079	0.119	0.002	0.005	0.002B	---	---	29
30	---		1.01 B	0.209	0.562	0.078	0.116	0.002	0.004	0.002B	---	---	30
31	---		0.567B		0.427		0.088	0.002		0.002B		---	31
TOTAL	---	---	6.945	34.039	6.052	3.715	5.961	0.467	0.013	0.088	---	---	TOTAL
MEAN	---	---	0.224	1.13	0.195	0.124	0.192	0.015	0	0.003	---	---	MEAN
MAX	---	---	1.44	3.71	0.562	0.314	0.783	0.086	0.005	0.005	---	---	MAX
MIN	---	---	0	0.209	0.111	0.047	0.066	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.234
MAXIMUM DAILY, 3.71E ON APR 13
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 113 43 35 W
DRAINAGE AREA, 754 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	515
FEB	---	AUG	40.3
MAR	600	SEP	1.12
APR	2 940	OCT	7.60
MAY	523	NOV	---
JUN	321	DEC	---

TOTAL DISCHARGE, 4 950 dam³

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0B	0 B	0.006B	0.011	---	0.005	0	0	---	---	1
2	---	0B	0B	0 B	0.007B	0	---	0.006	0	0	---	---	2
3	---	0B	0B	0 B	0.008	0.003	---	0	0	0	---	---	3
4	---	0B	0B	0 B	0.004	0.015	---	0	0	0	---	---	4
5	---	0B	0B	0 B	0.002	0.007	---	0	0	0	---	---	5
6	---	0B	0B	0 B	0.001	0.001	---	0	0	0	---	---	6
7	---	0B	0B	0 B	0	0.008	---	0	0	0	---	---	7
8	---	0B	0B	0 B	0	0.011	---	0	0	0	---	---	8
9	---	0B	0B	0 B	0	0.007	---	0	0	0	---	---	9
10	---	0B	0B	0 B	0	0.007	---	0	0	0	---	---	10
11	---	0B	0B	0.001B	0	0.009	---	0	0	0	---	---	11
12	---	0B	0B	0.002B	0	1.02	---	0.001	0	0	---	---	12
13	---	0B	0B	0.002B	0	1.04	---	0	0	0	---	---	13
14	---	0B	0B	0.002B	0	0.406	---	0	0	0	---	---	14
15	---	0B	0B	0.002B	0	0.260	---	0	0	0	---	---	15
16	---	0B	0B	0.001B	0	0.175	---	0	0	0	---	---	16
17	---	0B	0B	0 B	0	0.167	---	0	0	0	---	---	17
18	---	0B	0B	0 B	0	0.161	---	0	0	0	---	---	18
19	---	0B	0B	0 B	0	0.147	---	0	0	0	---	---	19
20	---	0B	0B	0 B	0	0.764	---	0	0	0	---	---	20
21	---	0B	0B	0 B	0	0.993	---	0	0	0	---	---	21
22	---	0B	0B	0 B	0	0.580A	---	0	0	0	---	---	22
23	---	0B	0B	0 B	0	---	---	0	0	0	---	---	23
24	---	0B	0B	0 B	0	---	---	0	0	0	---	---	24
25	---	0B	0B	0 B	0	---	---	0	0	0	---	---	25
26	---	0B	0B	0 B	0	---	---	0	0	0A	---	---	26
27	---	0B	0B	0 B	0	---	---	0	0	0E	---	---	27
28	---	0B	0B	0 B	0	---	---	0	0A	0E	---	---	28
29	---		0B	0.001B	0.002	---	0.018A	0	0	0E	---	---	29
30	---		0B	0.003B	0.033	---	0.012	0	0	0E	---	---	30
31	---		0B		0.077		0.009	0		0E		---	31
TOTAL	---	0	0	0.014	0.140	---	---	0.012	0	0	---	---	TOTAL
MEAN	---	0	0	0	0.085	---	---	0	0	0	---	---	MEAN
MAX	---	0	0	0.003	0.077	---	---	0.006	0	0	---	---	MAX
MIN	---	0	0	0	0	---	---	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 40 N
LONG 110 17 33 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	0	AUG	1.04
MAR	0	SEP	0
APR	1.21	OCT	0
MAY	12.1	NOV	---
JUN	---	DEC	---

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.500B	0.126E	0.259	0 E	0	0A	0	---	---	1
2	---	0B	0 B	0.260B	0.113E	0.218	0 E	0	0	0	---	---	2
3	---	0B	0 B	0.063B	0.093E	0.222	0 E	0	0	0	---	---	3
4	---	0B	0 B	0.063B	0.078E	0.232	0 E	0	0	0	---	---	4
5	---	0B	0 B	0.002B	0.078E	0.391	0 E	0	0	0	---	---	5
6	---	0B	0 B	0 B	0.080E	0.318	0 E	0	0	0	---	---	6
7	---	0B	0 B	0.004B	0.081E	0.319	0 E	0	0	0	---	---	7
8	---	0B	0 B	0.004B	0.080E	0.319	0 E	0	0	0	---	---	8
9	---	0B	0 B	0.003B	0.077E	0.317	0 E	0	0	0	---	---	9
10	---	0B	0 B	0.003B	0.100E	0.317	0 E	0	0	0	---	---	10
11	---	0B	0 B	0.003	0.142E	0.303	0 E	0	0	0	---	---	11
12	---	0B	0 B	0.004	0.100E	0.275	0 E	0	0	0	---	---	12
13	---	0B	0.217	0.003	0.075E	0.290	0 E	0	0	0	---	---	13
14	---	0B	0.437A	0.003	0.053E	0.367	0 E	0	0	0	---	---	14
15	---	0B	0.317A	0.003	0.037E	0.411	0 E	0	0	0	---	---	15
16	---	0B	0.240	0.002	0.032E	0.299	0.100E	0	0	0	---	---	16
17	---	0B	0.190	0.002	0.029E	0.200E	0.090E	0	0	0	---	---	17
18	---	0B	0.140	0.001	0.011E	0.150E	0.080E	0	0	0	---	---	18
19	---	0B	0.095	0	0.135E	0.100E	0.070E	0	0	0	---	---	19
20	---	0B	0.065	0	0.401	0.050E	0.050E	0	0	0	---	---	20
21	---	0B	0.035	0	0.330	0.030E	0.030E	0	0	0	---	---	21
22	---	0B	0.008	0.397	0.274	0.006A	0.015E	0	0	0	---	---	22
23	---	0B	0.003B	0.688	0.239	0.005E	0 E	0	0	0	---	---	23
24	---	0B	0	0.561	0.208	0.004E	0 E	0	0	0	---	---	24
25	---	0B	0.002	0.244	0.167	0.003E	0 E	0	0	0	---	---	25
26	---	0B	0.610	0.165	0.129	0.002E	0 E	0	0	0A	---	---	26
27	---	0B	0.220	0.152E	0.108	0.001E	0 E	0	0	0	---	---	27
28	---	0B	0.500	0.129E	0.201	0 E	0 E	0	0A	0	---	---	28
29	---		0.760	0.127E	0.366	0 E	0 A	0	0	0	---	---	29
30	---		0.974A	0.126E	0.268	0 E	0	0		0		---	30
31	---		0.780		0.274		0	0		0		---	31
TOTAL	---	0	4.993	3.332	4.481	5.398	0.435	0	0	0	---	---	TOTAL
MEAN	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	MEAN
MAX	---	0	0.974	0.688	0.401	0.411	0.100	0	0	0	---	---	MAX
MIN	---	0	0	0	0.011	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.076
MAXIMUM DAILY, 0.974A ON MAR 30
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 110 20 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37.6
FEB	0	AUG	0
MAR	431	SEP	0
APR	288	OCT	0
MAY	387	NOV	---
JUN	466	DEC	---

TOTAL DISCHARGE, 1 610 dam³

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.077B	1.22	0.126	2.45	0.176	0	0	0	---	---	1
2	---	0 B	0.054B	0.470B	0.113	7.62	0.157	0	0	0	---	---	2
3	---	0 B	0.025B	0.269B	0.093	10.8	0.176	0	0	0	---	---	3
4	---	0 B	0.011B	0.234B	0.078	9.14	0.181	0	0	0	---	---	4
5	---	0 B	0.002B	0.146B	0.078	7.84	0.218	0	0	0	---	---	5
6	---	0 B	0 B	0.147B	0.080	4.91	0.234	0	0	0	---	---	6
7	---	0 B	0 B	0.105B	0.081	2.23	0.264	0	0	0	---	---	7
8	---	0 B	0 B	0.088B	0.080	1.02	0.319	0	0	0	---	---	8
9	---	0 B	0 B	0.090B	0.077	0.636	0.250	0	0	0	---	---	9
10	---	0 B	0.003B	0.112B	0.071	0.426	0.319	0	0	0	---	---	10
11	---	0 B	1.22 B	1.87 B	0.073	0.312	0.268	0	0	0	---	---	11
12	---	0 B	2.64 B	6.40	0.075	0.241	0.196	0	0	0	---	---	12
13	---	0 B	3.84 B	10.3	0.075	0.213	0.151	0	0	0	---	---	13
14	---	0 B	1.78 B	10.1	0.053	0.303	0.111	0	0	0	---	---	14
15	---	0 B	1.51 B	7.10	0.037	0.339	0.063	0	0	0	---	---	15
16	---	0.240B	0.999B	3.52	0.032	0.312	0.038	0	0	0	---	---	16
17	---	0.870B	0.115B	2.24	0.025	0.413	0.033	0	0	0	---	---	17
18	---	1.27 B	0.056B	1.48	0.011	0.299	0.048	0	0	0	---	---	18
19	---	1.32 B	0.070B	0.987	0.135	0.238	0.128	0	0	0	---	---	19
20	---	1.36 B	0.048B	0.665	0.613	0.216	0.132	0	0	0	---	---	20
21	---	1.79 B	0.031B	0.514	0.500	0.176	0.098	0	0	0	---	---	21
22	---	2.04 B	0.027B	0.369	0.372	0.190	0.054	0	0	0	---	---	22
23	---	0.826B	0.027B	0.581	0.272	0.382	0.031	0	0	0	---	---	23
24	---	0.617B	0.017B	0.663	0.189	0.288	0.017	0	0	0	---	---	24
25	---	0.209B	0.006B	0.465	0.141	0.211	0.007	0	0	0	---	---	25
26	---	0.106B	0.001B	0.234	0.103	0.170	0.004	0	0	0	---	---	26
27	---	0.068B	0.156B	0.152	0.121	0.169	0	0	0	0	---	---	27
28	---	0.058B	1.00 B	0.129	0.274	0.189	0	0	0	0	---	---	28
29	---		2.34	0.127	1.24	0.219	0	0	0	0	---	---	29
30	---		4.20	0.126	1.75	0.203	0	0	0	0		---	30
31	---		3.20		1.99		0	0		0		---	31
TOTAL	---	10.574	26.175	49.903	8.958	52.151	3.669	0	0	0	---	---	TOTAL
MEAN	---	0.378	0.780	1.66	0.289	1.74	0.118	0	0	0	---	---	MEAN
MAX	---	2.04	4.20	10.3	1.99	10.8	0.319	0	0	0	---	---	MAX
MIN	---	0	0	0.088	0.011	0.169	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.567
MAXIMUM DAILY, 10.8 ON JUN 3
MINIMUM DAILY, 0B ON MAR 6
MAXIMUM INSTANTANEOUS,
12.5 AT 01:05 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 17 N
LONG 110 20 08 W
DRAINAGE AREA, 624 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	317
FEB	918	AUG	0
MAR	2 090	SEP	0
APR	4 310	OCT	0
MAY	778	NOV	---
JUN	4 510	DEC	---

TOTAL DISCHARGE, 12 900 dam³

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	B	3.32	0.169	0.004	0.028	0.011	0.002E	---	---	1
2	---	---	0B	0	B	3.47	0.155	0.003	0.137	0.010	0.002E	---	---	2
3	---	---	0B	0	B	4.13	0.131	0.004	7.46	0.009	0.002E	---	---	3
4	---	---	0B	0	B	4.74	0.130	0.005	12.7	0.006	0.002E	---	---	4
5	---	---	0B	0	B	3.25	0.385	0.006	7.21	0.008	0.001E	---	---	5
6	---	---	0B	0	B	3.20	0.873	0.006	3.97	0.007	0.001E	---	---	6
7	---	---	0B	0	B	5.29	1.28	0.011	2.34	0.006	0.001A	---	---	7
8	---	---	0B	0	B	7.45	0.967	0.008	1.49	0.005	0.001	---	---	8
9	---	---	0B	0	B	5.91	0.735	0.007	0.965	0.006	0.001	---	---	9
10	---	---	0B	0	B	6.26	0.642	0.005	0.708	0.007	0.001	---	---	10
11	---	---	0B	0	B	6.35	0.404	0.004	0.425	0.006	0.001	---	---	11
12	---	---	0B	0	B	5.28	0.302	0.003	0.203	0.006	0.001	---	---	12
13	---	---	0B	0	B	4.39	0.217	0.003	0.182	0.005	0.004	---	---	13
14	---	---	0B	0	B	3.42	0.149	0.004	1.136	0.004	0.005	---	---	14
15	---	---	0B	0	B	2.91	0.098	0.003	0.128	0.003	0.003	---	---	15
16	---	---	0B	0.005B		2.63	0.075	0.003	0.107	0.003	0.003	---	---	16
17	---	---	0B	0.020B		2.46	0.058	0.004	0.086	0.002	0.005	---	---	17
18	---	---	0B	0.010B		2.02	0.047	0.023	0.067	0.002	0.004	---	---	18
19	---	---	0B	0.005B		1.73	0.035	0.021	0.054	0.001	0.004	---	---	19
20	---	---	0B	0.003B		1.45	0.029	0.013	0.053	0.001	0.004	---	---	20
21	---	---	0B	0.003B		1.20	0.018	0.031	0.053	0.002	0.004	---	---	21
22	---	---	0B	0.003B		1.14	0.011	0.052	0.031	0.005	0.006	---	---	22
23	---	0B	0B	0.011B		0.953	0.009	0.050	0.019	0.006	0.010	---	---	23
24	---	0B	0B	1.70	B	0.784	0.008	0.056	0.023	0.005	0.014	---	---	24
25	---	0B	0B	4.45	B	0.668	0.006	0.041	0.026	0.004	0.018	---	---	25
26	---	0B	0B	10.2		0.497	0.006	0.026	0.029	0.003	0.016A	---	---	26
27	---	0B	0B	14.3		0.381	0.004	0.014	0.041	0.003	0.015E	---	---	27
28	---	0B	0B	10.3		0.328	0.004	0.019	0.026	0.003	0.014E	---	---	28
29	---		0B	5.95		0.291	0.004	0.020	0.020	0.003E	0.012E	---	---	29
30	---		0B	3.45		0.250	0.004	0.023	0.016	0.002E	0.010E	---	---	30
31	---		0B			0.207		0.014	0.012		0.008E		---	31
TOTAL	---	---	0	58.810		86.319	6.855	0.486	38.717	0.144	0.175	---	---	TOTAL
MEAN	---	---	0	1.68		2.78	0.229	0.016	1.25	0.005	0.006	---	---	MEAN
MAX	---	---	0	14.3		7.45	1.28	0.056	12.7	0.011	0.018	---	---	MAX
MIN	---	---	0	0		0.207	0.004	0.003	0.012	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.747
MAXIMUM DAILY, 14.3 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.1 AT 02:00 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 39 N
LONG 118 41 51 W
DRAINAGE AREA, 539 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42.0
FEB	---	AUG	3 350
MAR	0	SEP	12.4
APR	4 360	OCT	15.1
MAY	7 460	NOV	---
JUN	592	DEC	---

TOTAL DISCHARGE, 15 800 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

SAGE CREEK AT Q RANCH NEAR WILD HORSE - STATION NO. 11AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	B	0.878	3.92	0.002	0	0	0	---	---	1
2	---	---	0B	0	B	0.608	2.88	0.001	0	0	0	---	---	2
3	---	---	0B	0	B	0.716	1.58	0	0	0	0	---	---	3
4	---	---	0B	0	B	0.683	0.830	0	0	0	0	---	---	4
5	---	---	0B	0	B	0.496	0.463	0	0	0	0	---	---	5
6	---	---	0B	0	B	0.274	0.216	0	0	0	0	---	---	6
7	---	---	0B	0	B	0.122	0.133	0	0	0	0	---	---	7
8	---	---	0B	0	B	0.158	0.100	0	0	0	0	---	---	8
9	---	---	0B	0	B	0.285	0.069	0	0	0	0	---	---	9
10	---	---	0B	0	B	0.260	0.052	0	0	0	0	---	---	10
11	---	---	0B	0	B	0.459	0.039	0	0	0	0	---	---	11
12	---	---	0B	0	B	0.370	0.030	0	0	0	0	---	---	12
13	---	---	0B	0.060B		0.171	0.026	0	0	0	0	---	---	13
14	---	---	0B	10.7		0.089	0.019	0	0	0	0	---	---	14
15	---	---	0B	14.2		0.073	0.013	0	0	0	0	---	---	15
16	---	---	0B	10.8		0.055	0.012	0	0	0	0	---	---	16
17	---	---	0B	9.61		0.045	0.010	0	0	0	0	---	---	17
18	---	---	0B	11.7		0.039	0.008	0	0	0	0	---	---	18
19	---	---	0B	8.33		0.391	0.007	0	0	0	0	---	---	19
20	---	---	0B	4.22		0.975	0.005	0	0	0	0	---	---	20
21	---	---	0B	4.20		0.838	0.005	0	0	0	0	---	---	21
22	---	---	0B	8.35		0.227	0.004	0	0	0	0	---	---	22
23	---	---	0B	10.7		0.084	0.003	0	0	0	0	---	---	23
24	---	---	0B	10.5		0.077	0.002	0	0	0	0	---	---	24
25	---	---	0B	6.97		0.056	0.001	0	0	0	0	---	---	25
26	---	---	0B	2.88		0.046	0.001	0	0	0	0	---	---	26
27	---	---	0B	1.34		0.080	0.001	0	0	0	0	---	---	27
28	---	---	0B	1.34		0.102	0.001	0	0	0	0	---	---	28
29	---		0B	1.35		3.43	0.004	0	0	0	0A	---	---	29
30	---		0B	1.19		3.29	0.004	0	0	0	0E	---	---	30
31	---		0B			3.79		0	0		0E		---	31
TOTAL	---	---	0	118.040		18.167	10.438	0.093	0	0	0	---	---	TOTAL
MEAN	---	---	0	3.93		0.586	0.348	0	0	0	0	---	---	MEAN
MAX	---	---	0	14.2		3.79	3.92	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0		0.039	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.599
MAXIMUM DAILY, 14.2 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.3 AT 20:20 MST ON APR 14

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 29 N
LONG 110 13 23 W
DRAINAGE AREA, 456 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.36
FEB	---	AUG	0
MAR	0	SEP	0
APR	10 200	OCT	0
MAY	1 570	NOV	---
JUN	902	DEC	---

TOTAL DISCHARGE, 12 700 dam³

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.06	1.36	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.961	1.27	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.679	1.26	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.679	1.19	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.646	0.952	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.475	0.587	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.248	0.334	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.117	0.183	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.120	0.087	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.289	0.055	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.275	0.037	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.430	0.028	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.435	0.017	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.198	0.008	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.089	0.004	0	0	0	0	---	---	15
16	---	---	0B	0 B	0.074	0.003	0	0	0	0	---	---	16
17	---	---	0B	0 B	0.068	0.002	0	0	0	0	---	---	17
18	---	---	0B	0.689B	0.060	0.002	0	0	0	0	---	---	18
19	---	---	0B	1.11 B	0.070	0.001	0	0	0	0	---	---	19
20	---	---	0B	1.11	0.363	0.001	0	0	0	0	---	---	20
21	---	---	0B	0.940	1.02	0.001	0	0	0	0	---	---	21
22	---	---	0B	0.471	0.977	0	0	0	0	0	---	---	22
23	---	---	0B	0.446	0.439	0	0	0	0	0	---	---	23
24	---	---	0B	0.417	0.135	0	0	0	0	0	---	---	24
25	---	---	0B	0.397	0.078	0	0	0	0	0	---	---	25
26	---	---	0B	0.482	0.081	0	0	0	0	0	---	---	26
27	---	---	0B	0.607	0.047	0	0	0	0	0	---	---	27
28	---	---	0B	0.654	0.077	0	0	0	0	0	---	---	28
29	---		0B	0.597	0.397	0	0	0	0	0	---	---	29
30	---		0B	0.737	1.25	0	0	0	0	0	---	---	30
31	---		0B		1.41		0	0		0		---	31
TOTAL	---	---	0	8.617	13.179	7.372	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.287	0.425	0.246	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.11	1.41	1.36	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.047	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.119
MAXIMUM DAILY, 1.41 ON MAY 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.42 AT 06:00 MDT ON MAY 31

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 10 N
LONG 110 11 30 W
DRAINAGE AREA, 591 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	745	OCT	0
MAY	1 140	NOV	---
JUN	637	DEC	---

TOTAL DISCHARGE, 2 520 dam³

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.330B	0.695B	16.2 B	6.08	2.17	4.11	6.77	2.63	1.57B	---	1
2	---	---	0.340B	0.731B	18.1 B	5.57	4.92	10.1	6.02	2.49	1.32B	---	2
3	---	---	0.353B	0.730B	22.1 B	5.09	16.6	39.7	4.95	2.34	1.16B	---	3
4	---	---	0.363B	0.658B	24.5	5.19	19.9	47.9	4.17	2.22	---	---	4
5	---	---	0.412B	0.595B	20.5	5.21	27.5	48.6	4.01	2.10	---	---	5
6	---	---	0.445B	0.564B	17.1	5.28	24.8	28.4	4.42	2.05	---	---	6
7	---	---	0.467B	0.542B	17.5	4.98	19.1	17.9	4.58	1.88	---	---	7
8	---	---	0.505B	0.475B	15.0	4.39	14.3	12.7	4.08	1.81	---	---	8
9	---	---	0.578B	0.614B	14.4	4.11	11.3	9.67	3.74	1.75	---	---	9
10	---	---	0.639B	0.689B	15.7	3.73	9.60	7.70	3.50	1.77	---	---	10
11	---	---	0.675B	0.734B	20.1	3.40	7.70	7.23	3.35	1.67	---	---	11
12	---	---	0.662B	0.703B	24.3	3.52	6.38	8.55	3.28	1.63	---	---	12
13	---	---	0.598B	0.814B	26.2	3.67	5.30	8.20	2.90	1.60	---	---	13
14	---	---	0.580B	0.786B	26.3	3.27	5.12	6.71	2.65	1.58	---	---	14
15	---	---	0.551B	0.702B	25.3	2.86	13.7	5.98	2.58	1.56	---	---	15
16	---	---	0.503B	0.702B	31.4	2.54	29.6	6.59	2.39	1.55	---	---	16
17	---	---	0.544B	0.793B	37.6	2.31	21.1	8.81	2.31	1.71	---	---	17
18	---	---	0.586B	0.764B	32.0	2.07	16.1	7.20	2.23	1.85	---	---	18
19	---	---	0.582B	0.837B	36.9	1.91	13.2	6.07	2.11	1.76B	---	---	19
20	---	---	0.560B	1.10 B	32.0	1.82	11.4	4.96	2.00	1.10B	---	---	20
21	---	---	0.579B	1.41 B	28.8	1.65	9.68	4.07	1.98	1.63B	---	---	21
22	---	---	0.521B	1.70 B	19.8	1.48	19.5	3.80	1.85	1.73B	---	---	22
23	---	---	0.489B	1.88 B	16.3	1.30	20.9	3.66	1.84	1.52B	---	---	23
24	---	---	0.603B	2.46 B	14.9	1.23	15.7	3.28	1.74	1.52B	---	---	24
25	---	---	0.646B	3.34 B	13.6	1.23	13.0	3.37	1.68	1.52B	---	---	25
26	---	---	0.669B	4.86 B	13.0	1.13	10.2	3.82	1.64	1.50B	---	---	26
27	---	---	0.710B	6.61 B	10.9	1.29	9.89	4.40	1.63	1.58B	---	---	27
28	---	---	0.723B	6.85 B	9.41	1.57	7.78	4.61	1.82	1.60B	---	---	28
29	---		0.724B	10.5 B	8.20	2.07	6.31	5.35	2.26	1.42B	---	---	29
30	---		0.678B	12.0 B	7.36	2.37	5.02	5.71	2.61	1.52B	---	---	30
31	---		0.673B		6.60		3.97	6.66		1.68B		---	31
TOTAL	---	---	17.396	62.058	614.47	92.06	393.86	334.84	90.93	54.25	---	---	TOTAL
MEAN	---	---	0.550	2.07	19.8	3.07	12.7	10.8	3.03	1.75	---	---	MEAN
MAX	---	---	0.724	12.0	37.6	6.08	29.6	47.9	6.77	2.63	---	---	MAX
MIN	---	---	0.330	0.475	6.60	1.13	2.17	3.28	1.63	1.10	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.77
MAXIMUM DAILY, 47.9 ON AUG 4
MINIMUM DAILY, 0.330B ON MAR 1
MAXIMUM INSTANTANEOUS,
51.6 AT 18:00 MDT ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 11 40 N
LONG 115 46 45 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34 000
FEB	---	AUG	38 900
MAR	1 490	SEP	7 860
APR	5 360	OCT	4 690
MAY	53 100	NOV	---
JUN	7 950	DEC	---

TOTAL DISCHARGE, 143 000 dam³

SAN LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	0	0	0	---	---	1
2	---	---	---	---	---	---	---	0	0	0	---	---	2
3	---	---	---	---	---	---	---	0	0	0	---	---	3
4	---	---	---	---	---	---	---	0	0	0	---	---	4
5	---	---	---	---	---	---	---	0	0	0	---	---	5
6	---	---	---	---	---	---	---	0	0	0	---	---	6
7	---	---	---	---	---	---	---	0	0	0	---	---	7
8	---	---	---	---	---	---	---	0	0	0	---	---	8
9	---	---	---	---	---	---	---	0	0	0	---	---	9
10	---	---	---	---	---	---	---	0	0	0	---	---	10
11	---	---	---	---	---	---	---	0	0	0	---	---	11
12	---	---	---	---	---	---	---	0	0	0	---	---	12
13	---	---	---	---	---	---	---	0	0	0	---	---	13
14	---	---	---	---	---	---	---	0	0	0	---	---	14
15	---	---	---	---	---	---	---	0	0	0	---	---	15
16	---	---	---	---	---	---	---	0	0	0	---	---	16
17	---	---	---	---	---	---	---	0	0	0	---	---	17
18	---	---	---	---	---	---	---	0	0	0	---	---	18
19	---	---	---	---	---	---	---	0	0	0	---	---	19
20	---	---	---	---	---	---	---	0	0	0	---	---	20
21	---	---	---	---	---	---	---	0	0	0	---	---	21
22	---	---	---	---	---	---	0	0	0	0	---	---	22
23	---	---	---	---	---	---	0	0	0	0	---	---	23
24	---	---	---	---	---	---	0	0	0	0	---	---	24
25	---	---	---	---	---	---	0	0	0	0	---	---	25
26	---	---	---	---	---	---	0	0	0	0	---	---	26
27	---	---	---	---	---	---	0	0	0	0	---	---	27
28	---	---	---	---	---	---	0	0	0	0	---	---	28
29	---		---	---	---	---	0	0	0	0	---	---	29
30	---		---	---	---	---	0	0	0	0	---	---	30
31	---		---		---		0	0		0		---	31
TOTAL	---	---	---	---	---	---	---	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	0	0	0	---	---	MEAN
MAX	---	---	---	---	---	---	---	0	0	0	---	---	MAX
MIN	---	---	---	---	---	---	---	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0 ON JUL 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 48 N
LONG 110 15 37 W
DRAINAGE AREA, 88.1 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	0
MAR	---	SEP	0
APR	---	OCT	0
MAY	---	NOV	---
JUN	---	DEC	---

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.778B	1.00B	38.5	15.3 E	4.69	5.76	4.18	3.11	---	---	1
2	---	---	0.779B	1.00B	32.6	18.5 A	4.78	6.14	4.06	2.96	---	---	2
3	---	---	0.781B	1.00B	31.4	13.3	5.15	6.69	3.97	2.78	---	---	3
4	---	---	0.783B	1.01B	30.7	12.5	6.32	7.28	3.74	2.78	---	---	4
5	---	---	0.786B	1.02B	30.0	11.9	7.12	8.13	3.57	2.76	---	---	5
6	---	---	0.789B	1.03B	28.7	11.5	8.78	8.65	3.46	2.78	---	---	6
7	---	---	0.791B	1.04B	26.5	11.9	11.0	9.01	3.37	2.80	---	---	7
8	---	---	0.794B	1.05B	26.3	11.7	13.1	8.59	3.35	2.79	---	---	8
9	---	---	0.797B	1.07B	24.8	11.7	13.4	8.14	3.32	2.79	---	---	9
10	---	---	0.800B	1.09B	23.4	11.5	12.4	7.75	3.39	2.82	---	---	10
11	---	---	0.802B	1.11B	22.4	11.3	11.4	7.33	3.38	2.72	---	---	11
12	---	---	0.804B	1.14B	21.8	10.7	10.5	6.91	3.34	2.67	---	---	12
13	---	---	0.806B	1.18B	20.3	10.3	9.70	6.64	3.32	2.64	---	---	13
14	---	---	0.808B	1.27B	19.5	9.92	9.16	6.24	3.39	2.63	---	---	14
15	---	---	0.810B	1.42B	18.3	9.97	9.17	5.85	3.46	2.56	---	---	15
16	---	---	0.828B	1.70B	17.9	9.32	9.07	5.55	3.61	2.58	---	---	16
17	---	---	0.846B	2.20B	17.1	8.84	10.4	5.36	3.64	2.63	---	---	17
18	---	---	0.864B	2.75B	16.1	8.51	10.7	5.09	3.56	2.65	---	---	18
19	---	---	0.882B	3.40B	15.6	8.18	10.8	4.86	3.52	2.82	---	---	19
20	---	---	0.900B	4.45B	15.1	7.70	10.2	4.55	3.44	2.79B	---	---	20
21	---	---	0.923B	5.65B	14.5	7.23	9.44	4.21	3.35	2.52B	---	---	21
22	---	---	0.945B	7.25B	13.9	6.84	9.08	3.98	3.33	2.36B	---	---	22
23	---	---	0.965B	9.25B	13.2	6.57	9.41	3.84	3.31	2.49B	---	---	23
24	---	---	0.985B	11.8 B	18.0	6.02	10.0	3.81	3.24	2.52B	---	---	24
25	---	---	0.995B	14.8 B	19.5	5.63	9.24	3.56	3.16	2.56B	---	---	25
26	---	---	1.00 B	18.7 B	19.5	5.47	8.35	3.38	3.12	2.58B	---	---	26
27	---	---	1.00 B	27.0 E	18.9	5.17	7.65	3.39	3.06	2.59B	---	---	27
28	---	---	1.00 B	41.5 E	18.3	4.93	7.36	3.51	2.99	2.60B	---	---	28
29	---		1.00 B	52.0 A	17.6	4.76	6.88	3.40	2.97	2.60B	---	---	29
30	---		1.00 B	37.5	16.7	4.68	6.09	4.11	3.04	2.60B	---	---	30
31	---		1.00 B		16.3A		5.87	4.61		2.60B		---	31
TOTAL	---	---	27.041	246.30	661.4	277.84	276.97	175.93	102.63	83.04	---	---	TOTAL
MEAN	---	---	0.872	8.21	21.3	9.26	8.93	5.68	3.42	2.68	---	---	MEAN
MAX	---	---	1.00	52.0	38.5	15.3	13.4	9.01	4.18	3.11	---	---	MAX
MIN	---	---	0.778	1.00	13.9	4.68	4.69	3.38	2.97	2.36	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.56
MAXIMUM DAILY, 52.0A ON APR 29
MINIMUM DAILY, 0.778B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 16 N
LONG 111 11 08 W
DRAINAGE AREA, 4 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33 900
FEB	---	AUG	15 200
MAR	2 340	SEP	8 870
APR	21 300	OCT	7 170
MAY	57 100	NOV	---
JUN	24 000	DEC	---

TOTAL DISCHARGE, 169 000 dam³

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.065B	0.073B	37.6	6.94	2.45E	12.9	7.25	2.12	---	---	1
2	---	---	0.065B	0.073B	25.6	6.19	2.60E	12.7	7.73	2.18	---	---	2
3	---	---	0.065B	0.075B	24.9	5.57	2.47E	15.2	7.05	2.18	---	---	3
4	---	---	0.065B	0.075B	26.4	5.09	3.50E	26.7	6.42	2.19	---	---	4
5	---	---	0.065B	0.076B	28.1	4.66	6.50E	38.4	5.93	2.16	---	---	5
6	---	---	0.065B	0.077B	26.4	4.27	8.31A	46.6	5.62	2.10	---	---	6
7	---	---	0.065B	0.076B	22.3	3.95	14.6	40.9	5.44	2.04	---	---	7
8	---	---	0.065B	0.076B	19.8	3.76	15.8	32.7	5.30	1.99	---	---	8
9	---	---	0.065B	0.077B	17.8	3.50	12.7	26.7	5.10	1.93	---	---	9
10	---	---	0.063B	0.077B	15.1	3.31A	10.8	22.8	4.99	1.93	---	---	10
11	---	---	0.065B	0.084B	18.3	3.19A	8.38	19.2	4.61	1.90	---	---	11
12	---	---	0.063B	0.085B	16.2	2.91A	7.25	17.8	4.37	1.83	---	---	12
13	---	---	0.062B	0.087B	16.2	2.85E	6.25	17.7	4.19	1.81	---	---	13
14	---	---	0.064B	0.086B	19.3	2.77E	5.61	16.6	3.98	1.79	---	---	14
15	---	---	0.066B	0.086B	20.0	2.67E	5.22	16.9	3.81	1.72	---	---	15
16	---	---	0.063B	0.084B	18.9	2.57E	6.85	13.8	3.66	1.71	---	---	16
17	---	---	0.066B	0.084B	18.4	2.49E	31.4	13.3	3.57	1.70	---	---	17
18	---	---	0.067B	0.085B	18.8	2.40E	42.9	12.7	3.51	1.64	---	---	18
19	---	---	0.067B	0.086B	17.6	2.33E	38.6	11.9	3.34	1.60	---	---	19
20	---	---	0.066B	0.093B	16.8	2.23E	31.6	11.0	3.13	1.62	---	---	20
21	---	---	0.06[illegible]	0.106B	28.5	2.17E	25.8	9.97	2.93	1.55B	---	---	21
22	---	---	0.070B	0.312B	19.8	2.13E	23.4	9.33	2.86	1.50B	---	---	22
23	---	---	0.070B	2.56 B	15.9	2.10E	22.6	9.38	2.75	1.49B	---	---	23
24	---	---	0.069B	15.7 B	13.3	2.11E	29.1	9.95	2.48	1.47B	---	---	24
25	---	---	0.069B	25.5 B	11.9	2.15E	29.4	9.92	2.37	1.44B	---	---	25
26	---	---	0.070B	31.4 B	10.9	2.20E	26.9	9.53	2.30	1.30B	---	---	26
27	---	---	0.070B	34.0 B	10.1	2.26E	23.0	9.07	2.23	1.20B	---	---	27
28	---	---	0.069B	31.9 B	10.4	2.33E	24.6	8.67	2.18	1.10B	---	---	28
29	---		0.071B	30.4	10.1	2.43E	21.8	8.13	2.13	1.10B	---	---	29
30	---		0.073B	30.3	8.86	2.47E	17.9	7.76	2.07	1.10B	---	---	30
31	---		0.071B		7.77		14.9	7.42		1.10B		---	31
TOTAL	---	---	2.067	203.793	546.23	95.87	518.99	522.63	123.35	52.48	---	---	TOTAL
MEAN	---	---	0.067	6.79	17.6	3.20	16.7	16.9	4.11	1.69	---	---	MEAN
MAX	---	---	0.073	34.0	28.1	6.94	42.9	46.6	7.73	2.19	---	---	MAX
MIN	---	---	0.062	0.073	7.77	2.10	2.40	7.42	2.07	1.10	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.43
MAXIMUM DAILY, 46.6 ON AUG 6
MINIMUM DAILY, 0.062B ON MAR 13
MAXIMUM INSTANTANEOUS,
47.7 AT 12:59 MST ON AUG 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 28 N
LONG 114 14 10 W
DRAINAGE AREA, 2 590 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	44 800
FEB	---	AUG	45 200
MAR	179	SEP	10 700
APR	17 600	OCT	4 530
MAY	47 280	NOV	---
JUN	8 280	DEC	---

TOTAL DISCHARGE, 178 000 dam³

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.028B	0.041B	4.28B	1.76	0.586	1.65	0.830	0.605	---	---	1
2	---	---	0.028B	0.042B	5.03B	1.66	0.568	9.15	0.758	0.561	---	---	2
3	---	---	0.028B	0.044B	6.02B	1.62	0.699	11.7	0.684	0.507	---	---	3
4	---	---	0.028B	0.046B	6.05	1.50	2.25	20.7	0.664	0.496	---	---	4
5	---	---	0.030B	0.048B	3.55	1.41	5.91	12.4	0.688	0.469	---	---	5
6	---	---	0.028B	0.050B	2.88	1.32	5.30	7.39	0.712	0.431	---	---	6
7	---	---	0.028B	0.050B	2.69	1.21	3.32	5.42	0.663	0.426	---	---	7
8	---	---	0.028B	0.050B	2.56	1.15	2.31	4.21	0.635	0.436	---	---	8
9	---	---	0.028B	0.050B	2.63	1.11	1.79	3.37	0.745	0.444	---	---	9
10	---	---	0.030B	0.050B	2.92	1.05	1.48	2.85	0.708	0.432	---	---	10
11	---	---	0.028B	0.050B	4.24	0.988	1.22	3.62	0.783	0.416	---	---	11
12	---	---	0.028B	0.050B	5.90	0.926	1.05	3.50	0.788	0.400	---	---	12
13	---	---	0.028B	0.050B	6.10	0.872	0.983	2.67	0.685	0.409	---	---	13
14	---	---	0.028B	0.050B	5.78	0.823	0.851	2.38	0.632	0.467	---	---	14
15	---	---	0.028B	0.050B	6.07	0.823	0.49	2.16	0.579	0.376	---	---	15
16	---	---	0.028B	0.052B	7.81	0.758	12.1	2.44	0.563	0.393	---	---	16
17	---	---	0.028B	0.055B	7.65	0.719	6.25	2.13	0.537	0.426	---	---	17
18	---	---	0.028B	0.070B	6.22	0.668	4.36	1.80	0.521	0.419	---	---	18
19	---	---	0.028B	0.170B	6.18	0.607	3.19	1.53	0.492	0.393	---	---	19
20	---	---	0.028B	0.228B	4.91	0.575	2.57	1.39	0.466	0.390B	---	---	20
21	---	---	0.028B	0.308B	4.07	0.552	2.15	1.28	0.468	0.395B	---	---	21
22	---	---	0.028B	0.458B	3.69	0.519	1.95	1.25	0.462	0.381	---	---	22
23	---	---	0.022B	0.630B	3.38	0.500	1.69	1.22	0.461	0.389	---	---	23
24	---	---	0.024B	0.820B	3.08	0.478	4.73	1.13	0.437	0.401	---	---	24
25	---	---	0.026B	1.10 B	3.01	0.461	3.64	1.08	0.433	0.401	---	---	25
26	---	---	0.028B	1.58 B	3.33	0.438	8.98	1.02	0.426	0.409	---	---	26
27	---	---	0.030B	2.18 B	3.26	0.419	3.21	0.965	0.437	0.401	---	---	27
28	---	---	0.033B	3.09 B	2.71	0.426	2.53	0.972	0.466	0.395A	---	---	28
29	---		0.035B	3.91 B	2.35	0.407	2.06	0.929	0.513	0.390E	---	---	29
30	---		0.037B	4.74 B	2.15	0.395	1.69	0.895	0.632	0.390E	---	---	30
31	---		0.040B		1.94		1.43	0.896		0.390E		---	31
TOTAL	---	---	0.715	19.818	132.44	26.181	100.377	116.807	17.670	13.185	---	---	TOTAL
MEAN	---	---	0.023	0.661	4.27	0.873	3.24	3.68	0.589	0.425	---	---	MEAN
MAX	---	---	0.040	4.74	7.81	1.76	12.1	20.7	0.830	0.605	---	---	MAX
MIN	---	---	0.022	0.040	1.94	0.395	0.586	0.895	0.426	0.376	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.73
MAXIMUM DAILY, 20.7 ON AUG 4
MINIMUM DAILY, 0.020B ON MAR 1
MAXIMUM INSTANTANEOUS,
22.8 AT 07:09 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 09 N
LONG 114 46 39 W
DRAINAGE AREA, 234 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 670
FEB	---	AUG	9 850
MAR	61.8	SEP	1 530
APR	1 710	OCT	1 140
MAY	11 400	NOV	---
JUN	2 260	DEC	---

TOTAL DISCHARGE, 36 600 dam³

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.096	1.68	2.35	3.57	1.36	1.94	---	---	1
2	---	---	---	---	0.092	1.79	1.98	2.87	1.30	1.75	---	---	2
3	---	---	---	---	0.086	2.42	1.85	2.36	1.30	1.76	---	---	3
4	---	---	---	---	0.081	2.21	1.78	2.23	1.98	1.65	---	---	4
5	---	---	---	---	0.079	2.00	1.97	2.15	1.76	1.69	---	---	5
6	---	---	---	---	0.076	1.77	2.41	2.17	1.65	1.44 E	---	---	6
7	---	---	---	---	0.075	1.62	1.89	2.25	1.56	1.38 E	---	---	7
8	---	---	---	---	0.091	1.63	1.99	2.00	1.57	1.33 E	---	---	8
9	---	---	---	---	0.076	1.53	1.89	2.02	1.48	1.27 E	---	---	9
10	---	---	---	---	0.081	1.36	1.69	2.66	1.13	1.21 E	---	---	10
11	---	---	---	---	0.076	1.32	1.67	2.66	1.12	1.15 E	---	---	11
12	---	---	---	---	0.069	1.54	1.68	2.30	1.09	1.10 E	---	---	12
13	---	---	---	---	0.073	1.49	1.81	2.37	1.36	1.04 E	---	---	13
14	---	---	---	---	0.108	1.37	1.81	2.17	1.39	0.980E	---	---	14
15	---	---	---	---	0.194	1.50	1.54	1.83	1.25	0.922E	---	---	15
16	---	---	---	---	0.107	1.66	1.63	1.99	1.23	0.868E	---	---	16
17	---	---	---	---	0.197	1.56	1.96	2.12	1.08	0.807E	---	---	17
18	---	---	---	---	0.802	1.36	1.92	1.97	1.10	0.750E	---	---	18
19	---	---	---	---	1.07	1.62	1.92	1.72	1.08	0.700E	---	---	19
20	---	---	---	---	0.919	1.37	1.40	1.91	0.993	0.633E	---	---	20
21	---	---	---	---	0.643	1.65	1.78	2.04	1.09	0.576E	---	---	21
22	---	---	---	0.698A	0.628	1.66	2.07	2.13	1.32	0.518E	---	---	22
23	---	---	---	0.609	0.696	1.77	2.07	2.05	1.16	0.460E	---	---	23
24	---	---	---	0.478	0.683	1.80	1.91	2.01	1.35	0.402E	---	---	24
25	---	---	---	0.394	0.718	1.70	2.00	1.69	1.36	0.344E	---	---	25
26	---	---	---	0.376	1.00	1.81	2.79	1.73	1.73	0.287E	---	---	26
27	---	---	---	0.356	1.53	1.85	2.80	1.88	2.33	0.229E	---	---	27
28	---	---	---	0.180	1.42	2.11	2.76	1.73	2.55	0.171A	---	---	28
29	---		---	0.199	1.89	2.36	2.55	1.76	2.57	0.171E	---	---	29
30	---		---	0.101	2.22	3.44	2.41	1.76	2.34	0.171E	---	---	30
31	---		---		1.93		2.39	1.58		0.171E		---	31
TOTAL	---	---	---	---	17.797	52.65	62.65	64.38	43.463	27.666	---	---	TOTAL
MEAN	---	---	---	---	0.574	1.76	2.02	2.08	1.45	0.892	---	---	MEAN
MAX	---	---	---	---	2.22	3.44	2.80	2.81	2.57	1.94	---	---	MAX
MIN	---	---	---	---	0.069	1.26	1.40	1.58	0.993	0.171	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.46
MAXIMUM DAILY, 3.44 ON JUN 30
MINIMUM DAILY, 0.069 ON MAY 12
MAXIMUM INSTANTANEOUS,
17.9 AT 01:44 MST ON JUN 30

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 25 N
LONG 110 41 02 W
DRAINAGE AREA, 3 260 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 410
FEB	---	AUG	5 560
MAR	---	SEP	3 760
APR	---	OCT	2 390
MAY	1 540	NOV	---
JUN	4 550	DEC	---

TOTAL DISCHARGE, 23 200 dam³

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.028B	0	0.015A	0.001E	0	0	0	---	---	1
2	---	---	0 B	0.024B	0	0.011	0.005E	0	0	0	---	---	2
3	---	---	0 B	0.020B	0	0.009	0.010E	0	0	0	---	---	3
4	---	---	0 B	0.016B	0	0.008	0.016E	0	0	0	---	---	4
5	---	---	0 B	0.012B	0	0.008	0.022A	0	0	0	---	---	5
6	---	---	0 B	0.010B	0	0.011	0.025	0	0	0	---	---	6
7	---	---	0 B	0.014B	0	0.012	0.031	0	0	0	---	---	7
8	---	---	0 B	0.018B	0	0.011	0.026	0	0	0	---	---	8
9	---	---	0 B	0.016B	0	0.009	0.020	0	0	0	---	---	9
10	---	---	0 B	0.011B	0	0.008	0.015	0	0	0	---	---	10
11	---	---	0 B	0.008B	0	0.007	0.012	0	0	0	---	---	11
12	---	---	0 B	0.050B	0	0.007	0.010	0	0	0	---	---	12
13	---	---	0 B	0.186A	0.001	0.006	0.008	0	0	0	---	---	13
14	---	---	0 B	0.131	0.001	0.005	0.007	0	0	0	---	---	14
15	---	---	0 B	0.078	0	0.003	0.005	0	0	0	---	---	15
16	---	---	0 B	0.049	0.002	0.004	0.004	0	0	0	---	---	16
17	---	---	0 B	0.035	0.002A	0.003	0.003	0	0	0	---	---	17
18	---	---	0 B	0.019	0.002E	0.003A	0.003	0	0	0	---	---	18
19	---	---	0 B	0.014	0.003E	0.002E	0.003	0	0	0	---	---	19
20	---	---	0 B	0.014	0.003E	0.001E	0.005	0	0	0	---	---	20
21	---	---	0 B	0.012	0.005E	0 E	0.007	0	0	0	---	---	21
22	---	---	0 B	0.012	0.004E	0 E	0.007	0	0	0	---	---	22
23	---	---	0 B	0.009	0.005E	0 E	0.006	0	0	0	---	---	23
24	---	---	0.006B	0.007	0.006E	0.002E	0.005	0	0	0	---	---	24
25	---	---	0.012B	0.005	0.005E	0.002E	0.005	0	0	0	---	---	25
26	---	---	0.017B	0.004	0.015E	0.001E	0.005	0	0	0	---	---	26
27	---	---	0.081B	0.003	0.030E	0.001E	0.004	0	0	0	---	---	27
28	---	---	0.180B	0.002	0.045E	0.001E	0.003	0	0	0	---	---	28
29	---		0.120B	0.002	0.059E	0.002E	0.003	0	0	0	---	---	29
30	---		0.075B	0.001	0.045E	0.001E	0.002	0	0	0	---	---	30
31	---		0.039B		0.030E		0.001	0		0	---	---	31
TOTAL	---	---	0.530	0.808	0.263	0.153	0.279	0	0	0	---	---	TOTAL
MEAN	---	---	0.017	0.027	0.008	0.005	0.009	0	0	0	---	---	MEAN
MAX	---	---	0.180	0.186	0.059	0.015	0.031	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.186A ON APR 13
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 44 N
LONG 114 02 09 W
DRAINAGE AREA, 38.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	28.1
FEB	---	AUG	0
MAR	45.8	SEP	0
APR	69.8	OCT	0
MAY	22.7	NOV	---
JUN	13.2	DEC	---

TOTAL DISCHARGE, 176 dam³

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.750B	0.750B	0.680B	0.813	3.28	9.64	16.2	2.90	1.99	3.84	1.92B	1.05 B	1
2	0.700B	0.760B	0.660B	0.756	4.37	12.0	13.7	2.76	1.97	3.90	1.87B	0.935B	2
3	0.650B	0.770B	0.639B	0.712	4.38	13.5	11.8	2.67	1.89	3.90	1.82B	0.832B	3
4	0.600B	0.780B	0.635B	0.676	3.14	13.5	10.4	2.55	2.39	3.66	1.70B	0.840B	4
5	0.550B	0.800B	0.635B	0.757	2.70	15.1	9.79	2.44	2.94	3.49	1.60B	0.820B	5
6	0.540B	0.790B	0.640B	0.737	2.55	17.2	9.21	2.33	2.59	3.27	1.53B	0.800B	6
7	0.530B	0.760B	0.670B	0.699	2.48	14.2	8.76	2.27	2.37	3.17	1.61B	0.786B	7
8	0.540B	0.730B	0.700B	0.711	2.07	12.5	8.43	2.26	2.24	2.96	1.60B	0.775B	8
9	0.550B	0.710B	0.750B	0.732	2.02	14.2	7.61	2.27	2.11	2.77	1.57B	0.759B	9
10	0.600B	0.700B	0.800B	1.03	2.01	17.5	7.00	2.24	2.35	2.75	1.50B	0.835B	10
11	0.650B	0.705B	0.790B	1.40	2.63	17.8	6.45	2.17	2.28	2.67	1.36B	0.888B	11
12	0.700B	0.710B	0.780B	2.05	3.99	18.6	6.25	2.15	2.20	2.63	1.34B	0.931B	12
13	0.750B	0.720B	0.770B	2.49	3.38	19.1	6.11	2.15	2.34	2.61	1.30B	0.981B	13
14	0.780B	0.730B	0.760B	2.91	4.06	20.6	5.70	2.12	2.24	2.58	1.25B	0.994B	14
15	0.800B	0.735B	0.745A	1.86	4.64	21.8	5.38	2.12	2.42	2.60	1.22B	1.01 B	15
16	0.800B	0.740B	0.744	1.67	5.53	21.7	5.02	2.07	2.53	2.78	1.19B	0.999B	16
17	0.790B	0.760B	0.734	1.60	5.40	18.9	4.62	2.05	2.85	2.85	1.15B	1.03 B	17
18	0.720B	0.775B	0.694	1.78	5.76	15.4	4.42	2.00	2.67	2.86	1.20B	1.03 B	18
19	0.690B	0.790B	0.688	1.66	5.61	14.8	4.24	2.00	2.69	2.69	1.19B	0.992B	19
20	0.660B	0.800B	0.705	1.39	4.70	15.1	4.27	2.02	2.67	2.54	1.18B	0.948B	20
21	0.665B	0.790B	0.674	1.86	5.05	16.8	4.23	1.99	2.55	2.66	1.18B	0.901B	21
22	0.670B	0.780B	0.712	3.49	5.35	15.2	3.98	1.97	2.53	2.58	1.17B	0.911B	22
23	0.680B	0.770B	0.779	4.39	7.05	14.3	3.67	2.00	2.43	2.50	1.17B	0.863B	23
24	0.690B	0.760B	0.734	4.38	6.43	13.1	3.45	1.97	2.36	2.48	1.17B	0.874B	24
25	0.700B	0.750B	0.726	2.58	6.81	13.7	3.71	1.95	2.32	2.42	1.16B	0.753B	25
26	0.720B	0.730B	0.706	2.63	9.27	13.1	3.78	2.59	3.98	2.38	1.04B	0.832B	26
27	0.744B	0.720B	0.842	3.14	7.11	14.0	3.48	2.58	4.27	2.36	1.22B	0.887B	27
28	0.750B	0.700B	0.985	3.98	5.78	13.5	3.32	2.36	3.92	2.29	1.19B	0.818B	28
29	0.760B		0.969	4.01	5.42	14.8	3.16	2.30	4.01	2.22B	1.10B	0.838B	29
30	0.750B		0.961	3.19	5.55	18.5	3.12	2.25	3.69	2.00B	1.07B	0.877B	30
31	0.740B		0.891		6.80		2.92	2.14		1.95B		0.910B	31
TOTAL	21.219	21.015	23.178	60.083	147.25	470.14	194.18	69.65	79.53	86.36	40.57	27.699	TOTAL
MEAN	0.684	0.751	0.748	2.00	4.75	15.7	6.26	2.25	2.65	2.79	1.35	0.894	MEAN
MAX	0.800	0.800	0.985	4.39	9.27	21.8	16.2	2.90	4.27	3.90	1.92	1.05	MAX
MIN	0.530	0.700	0.635	0.676	2.01	9.64	2.92	1.95	1.89	1.95	1.04	0.753	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.48
MAXIMUM DAILY, 21.8 ON JUN 15
MINIMUM DAILY, 0.530B ON JAN 7
MAXIMUM INSTANTANEOUS,
26.3 AT 23:51 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 14 N
LONG 114 14 34 W
DRAINAGE AREA, 554 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 830	JUL	16 800
FEB	1 820	AUG	6 020
MAR	2 000	SEP	6 870
APR	5 190	OCT	7 460
MAY	12 700	NOV	3 510
JUN	40 600	DEC	2 390

TOTAL DISCHARGE, 107 000 dam³

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.66E	13.1	32.6	27.1	13.7	7.24	4.36	---	1
2	---	---	---	---	1.74E	16.9	29.9	24.2	14.3	7.80	---	---	2
3	---	---	---	---	1.82E	20.1	28.8	21.1	15.0	7.59	---	---	3
4	---	---	---	---	1.89E	21.2	29.0	18.7	20.4	7.16	---	---	4
5	---	---	---	---	1.97A	20.1	24.6	16.4	19.7	6.55	---	---	5
6	---	---	---	---	2.03	16.8	29.1	16.4	16.0	6.42	---	---	6
7	---	---	---	---	2.14	12.9	29.5	16.8	15.5	6.30	---	---	7
8	---	---	---	---	1.70	11.5	27.9	17.2	19.9	5.99	---	---	8
9	---	---	---	---	1.54	11.9	26.9	18.3	21.0	5.55	---	---	9
10	---	---	---	---	1.72	17.3	25.3	18.7	20.3	5.64	---	---	10
11	---	---	---	---	2.73	23.9	24.9	19.4	16.3	5.44	---	---	11
12	---	---	---	---	3.31	30.1	23.9	17.9	14.4	5.24	---	---	12
13	---	---	---	---	3.29	34.8	22.4	16.6	12.9	5.15	---	---	13
14	---	---	---	---	3.82	38.5	20.8	15.1	11.7	5.29	---	---	14
15	---	---	---	---	4.45	38.4	24.7	13.7	11.0	5.34	---	---	15
16	---	---	---	---	4.84	37.5	19.6	12.5	10.5	5.54	---	---	16
17	---	---	---	---	6.20	35.3	18.8	16.9	9.90	5.85	---	---	17
18	---	---	---	---	7.62	34.6	20.7	15.5	9.70	5.39	---	---	18
19	---	---	---	---	7.14	37.7	23.2	14.2	9.42	5.30	---	---	19
20	---	---	---	---	7.14	37.9	28.3	14.4	9.14	4.79	---	---	20
21	---	---	---	---	9.05	39.6	38.6	15.8	8.87	4.88	---	---	21
22	---	---	---	---	11.1	40.0	38.7	15.2	9.10	5.24	---	---	22
23	---	---	---	---	10.8	37.4	32.9	14.1	8.61	5.78	---	---	23
24	---	---	---	---	11.5	34.5	29.1	13.2	8.38	5.02	---	---	24
25	---	---	---	---	16.8	35.1	27.3	13.6	8.06	4.81	---	---	25
26	---	---	---	---	12.2	34.8	25.8	16.4	8.60	4.73	---	---	26
27	---	---	---	---	10.0	35.7	25.1	18.9	8.28	4.61	---	---	27
28	---	---	---	---	7.70	34.8	25.0	18.6	8.02	4.48	---	---	28
29	---		---	---	6.68	32.5	25.4	16.4	7.85	4.14	---	---	29
30	---		---	---	6.33	33.1	26.0	15.4	7.37	3.94	---	---	30
31	---		---		8.37		27.9	14.5		4.43		---	31
TOTAL	---	---	---	---	179.28	868.0	838.7	521.2	373.90	171.23	---	---	TOTAL
MEAN	---	---	---	---	5.78	28.9	27.1	16.8	12.5	5.52	---	---	MEAN
MAX	---	---	---	---	16.8	40.0	38.7	27.1	21.0	7.59	---	---	MAX
MIN	---	---	---	---	1.54	11.5	18.8	12.5	7.37	3.94	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.0
MAXIMUM DAILY, 40.0 ON JUN 22
MINIMUM DAILY, 1.54 ON MAY 9
MAXIMUM INSTANTANEOUS,
42.6 AT 20:50 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 116 22 46 W
DRAINAGE AREA, 510 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	72 500
FEB	---	AUG	45 000
MAR	---	SEP	32 300
APR	---	OCT	14 800
MAY	15 500	NOV	---
JUN	75 000	DEC	---

TOTAL DISCHARGE, 255 000 dam³

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.072B	0.070B	0.035B	0.024B	0.050B	0.754	2.34	1.30	0.629	0.389	0.174B	0.070B	1
2	0.073B	0.064B	0.034B	0.025B	0.055E	0.617	1.88	1.02	0.767	0.410	0.160B	0.070B	2
3	0.073B	0.061B	0.030B	0.025B	0.060B	0.868	1.81	0.840	0.767	0.400	0.160B	0.070B	3
4	0.073B	0.057E	0.030B	0.026B	0.064B	0.961	1.44	0.783	1.37	0.388	0.153B	0.072B	4
5	0.073B	0.054B	0.034B	0.026B	0.068B	0.924	1.11	0.484	1.33	0.383	0.149B	0.074B	5
6	0.074B	0.050B	0.034B	0.026B	0.068B	0.721	1.38	0.592	1.12	0.370	0.146B	0.075B	6
7	0.074B	0.048B	0.034B	0.027B	0.066E	0.542	1.51	0.553	1.05	0.351	0.141B	0.077B	7
8	0.074B	0.036B	0.034B	0.028B	0.064E	0.492	1.53	0.591	1.40	0.317	0.137B	0.078B	8
9	0.074B	0.034B	0.034B	0.028B	0.062A	0.524	1.41	0.637	1.51	0.312	0.134B	0.079B	9
10	0.074B	0.033B	0.034B	0.028B	0.062	0.818	1.36	0.715	1.48	0.291	0.131B	0.080B	10
11	0.075B	0.032B	0.034B	0.028B	0.051	1.31	1.34	0.768	1.22	0.261	0.128B	0.082B	11
12	0.075B	0.032B	0.033B	0.029B	0.060	1.72	1.21	0.713	1.01	0.221	0.124B	0.083B	12
13	0.076B	0.032B	0.033B	0.029B	0.069	2.23	1.17	0.466	0.843	0.199	0.120B	0.084B	13
14	0.076B	0.032B	0.033B	0.030B	0.076	2.74	1.70	0.557	0.476	0.175	0.119B	0.085B	14
15	0.077B	0.032B	0.032B	0.032B	0.080	2.65	1.23	0.393	0.442	0.162	0.115B	0.085B	15
16	0.077B	0.034B	0.031B	0.032B	0.184	2.56	0.964	0.311	0.428	0.160	0.112B	0.085B	16
17	0.078B	0.035B	0.029B	0.034B	0.243	2.24	1.01	0.731	0.417	0.202	0.108B	0.084B	17
18	0.079B	0.035B	0.028B	0.035B	0.344	2.39	1.22	0.706	0.400	0.195	0.105B	0.082B	18
19	0.080B	0.035B	0.026B	0.036B	0.342	2.83	1.40	0.629	0.418	0.232	0.102B	0.080B	19
20	0.080B	0.037B	0.025B	0.036B	0.374	2.96	2.41	0.616	0.430	0.225	0.100B	0.079B	20
21	0.080B	0.037B	0.025B	0.036B	0.531	3.16	3.37	0.629	0.421	0.173	0.098B	0.076B	21
22	0.080B	0.037B	0.026B	0.036B	0.683	2.90	2.73	0.518	0.421	0.238	0.094B	0.074B	22
23	0.080B	0.036B	0.026B	0.036B	0.613	2.23	1.67	0.368	0.410	0.251	0.090B	0.072B	23
24	0.080B	0.034B	0.026B	0.036B	0.763	2.47	1.29	0.305	0.405	0.210	0.086B	0.070B	24
25	0.080B	0.034B	0.025B	0.036B	1.02	2.60	1.15	0.347	0.401	0.227	0.078B	0.068B	25
26	0.079B	0.034B	0.025B	0.037B	0.657	2.77	1.06	0.372	0.402	0.254	0.073B	0.063B	26
27	0.078B	0.034B	0.025B	0.039B	0.502	2.97	1.03	0.725	0.399	0.242	0.071B	0.059B	27
28	0.078B	0.035B	0.024B	0.040B	0.428	2.66	1.06	0.790	0.394	0.223	0.070B	0.055B	28
29	0.077B		0.024B	0.044B	0.388	2.42	1.09	0.698	0.391	0.183B	0.071B	0.054B	29
30	0.076B		0.024B	0.047B	0.407	2.51	1.17	0.737	0.392	0.178B	0.071B	0.052B	30
31	0.074B		0.024B		0.588		1.36	0.609		0.177E		0.051B	31
TOTAL	2.369	1.117	0.919	0.971	8.977	57.721	46.404	19.422	21.343	8.009	3.431	2.264	TOTAL
MEAN	0.076	0.040	0.030	0.032	0.290	1.92	1.50	0.627	0.711	0.258	0.114	0.073	MEAN
MAX	0.080	0.070	0.035	0.047	1.02	3.16	3.37	1.30	1.51	0.410	0.174	0.085	MAX
MIN	0.072	0.032	0.024	0.024	0.050	0.492	0.964	0.305	0.391	0.160	0.070	0.051	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.474
MAXIMUM DAILY, 3.37 ON JUL 21
MINIMUM DAILY, 0.024B ON MAR 28
MAXIMUM INSTANTANEOUS,
3.77 AT 20:55 MST ON JUL 20

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 47 58 N
LONG 116 34 50 W
DRAINAGE AREA, 20.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	205	JUL	1 010
FEB	96.5	AUG	1 680
MAR	79.4	SEP	1 840
APR	83.9	OCT	692
MAY	776	NOV	296
JUN	1 990	DEC	196

TOTAL DISCHARGE, 14 900 dam³

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GP001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.03 B	0.617B	1.03B	1.54B	35.0	52.1	16.3	53.0E	35.4	28.3	13.3 B	3.80B	1
2	0.930B	0.635B	1.04B	1.53B	50.7	48.3	15.8	51.0E	32.9	26.0	10.9 B	3.65B	2
3	0.810B	0.688B	1.06B	1.47B	65.2	47.9	16.7	251 A	29.1	25.3	9.80B	3.50B	3
4	0.710B	0.754B	1.07B	1.42B	86.7	47.5	20.1	545 A	26.3	24.3	11.0 B	3.35B	4
5	0.625B	0.797B	1.08B	1.48B	82.4	46.1	53.6	400 E	24.3	23.7	9.12B	3.20B	5
6	0.600B	0.858B	1.09B	1.36B	76.5	44.0	134	320 E	23.9	22.3	8.76B	3.10B	6
7	0.640B	0.884B	1.10B	1.40B	97.5	65.9	122	170 E	33.8	20.7	8.00B	3.00B	7
8	0.650B	0.917B	1.14B	1.47B	102	65.1	91.8	115 E	32.0	19.6	7.52B	3.10B	8
9	0.660B	0.950B	1.17B	1.50B	104	55.3	69.1	65.0E	28.1	18.5	6.44B	3.18B	9
10	0.670B	0.983B	1.31B	1.56B	122	51.5	56.9	85.0E	27.0	17.6	5.81B	3.20B	10
11	0.760B	1.18 B	1.90B	1.54B	187	48.3	48.9	75.0E	28.2	16.9	5.63B	3.18B	11
12	0.825B	1.20 B	2.50B	1.56B	171	45.2	40.0	47.1A	28.8	16.1	5.75B	3.16B	12
13	0.904B	1.15 B	2.15B	1.65B	175	41.7	34.8	41.0E	26.9	15.9	5.87B	3.13B	13
14	0.975B	1.16 B	2.04B	1.75B	170	37.1	35.5	46.0E	25.5	15.4	5.81B	3.10B	14
15	1.02 B	1.15 B	1.95B	1.82B	169	33.3	94.9A	60.0E	25.5	15.1	5.42B	2.93B	15
16	1.08 B	1.09 B	1.92B	1.98B	172 A	30.3	1 110 A	70.0E	22.8	15.8	5.03B	2.94B	16
17	1.02 B	1.05 B	1.87B	2.16B	196 E	27.7	401 E	78.0E	21.5	13.4	4.61B	3.03B	17
18	0.950B	1.01 B	1.86B	2.37B	229 E	25.1	279 E	66.0E	20.5	15.5	4.52B	3.16B	18
19	0.880B	0.984B	1.84B	2.64B	190 E	23.1	218 E	55.0E	19.7	15.7	4.34B	3.17B	19
20	0.850B	0.939B	1.81B	2.72B	165 A	21.5	165 E	47.0E	18.8	14.1	4.12B	3.24B	20
21	0.815B	0.943B	1.79B	3.19B	151	20.1	123 A	41.0E	17.7	13.1	3.86B	3.22B	21
22	0.780B	0.930B	1.73B	4.28B	140	19.5	96.7E	36.0E	17.0	14.4	3.80B	3.21B	22
23	0.750B	0.960B	1.69B	5.32B	136	19.3	100 E	33.0E	16.3	15.8	3.96B	3.18B	23
24	0.715B	0.950B	1.77B	6.12B	120	18.7	94.0E	31.0E	15.6	15.6	3.90B	3.09B	24
25	0.685B	0.970B	1.88B	6.86B	109 A	17.7	80.0E	31.0E	15.2	16.6	4.04B	3.09B	25
26	0.650B	0.980B	1.89B	14.9 B	107 E	16.7	68.0E	33.0A	14.7	18.1	4.04B	2.81B	26
27	0.615B	1.00 B	1.82B	27.4 B	102 A	16.0	60.0E	41.8	14.2	18.4	4.14B	2.52B	27
28	0.580B	1.01 B	1.69B	27.7	89.9	15.5	52.0E	40.8	14.0	18.6	4.20B	2.59B	28
29	0.569B		1.64B	26.0	78.3	15.0	47.3A	38.0	15.1	14.8B	4.15B	2.63B	29
30	0.562B		1.61B	28.9	66.7	15.7	45.0E	36.6	17.6	13.2B	4.00B	2.44B	30
31	0.582B		1.56B		58.3		46.5E	34.7		12.6B		2.35B	31
TOTAL	23.892	26.739	50.88	185.59	3 764.2	1 031.1	3 835.5	3 056.0	688.3	549.4	181.84	95.25	TOTAL
MEAN	0.771	0.955	1.61	6.19	121	34.4	124	98.6	22.9	17.7	6.06	3.07	MEAN
MAX	1.08	1.20	2.50	28.9	229	65.9	1 110	545	35.4	26.0	13.3	3.80	MAX
MIN	0.562	0.617	1.03	1.36	35.0	15.0	15.8	31.0	14.0	12.6	3.80	2.35	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.0
MAXIMUM DAILY, 1 110A ON JUL 16
MINIMUM DAILY, 0.562B ON JAN 30
MAXIMUM INSTANTANEOUS,
1 440 AT 13:30 MST ON JUL 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 30 N
LONG 118 10 30 W
DRAINAGE AREA, 5 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 060	JUL	331 000
FEB	2 310	AUG	264 000
MAR	4 320	SEP	59 500
APR	16 000	OCT	47 500
MAY	325 000	NOV	15 700
JUN	89 100	DEC	8 230

TOTAL DISCHARGE, 1 160 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 000B	1 930B	2 170B	1 370B	1 630B	4 550	3 900	4 310	3 930	3 230	2 890	1 900B	1
2	1 810B	1 960B	2 070B	1 380B	1 770B	4 480	3 810	4 290	3 950	3 170	2 760	1 980B	2
3	1 690B	1 990B	2 020B	1 410B	1 970B	4 400	3 710	4 210	3 980	3 220	2 740	2 000B	3
4	1 590B	2 030B	1 960B	1 390B	2 260B	4 360	3 660	4 060	3 970	3 260	2 730B	2 090B	4
5	1 500B	2 070B	1 840B	1 390B	2 540B	4 210	3 620	3 810	4 000	3 250	2 740B	2 210B	5
6	1 430B	2 120B	1 780B	1 380B	2 770B	4 060	3 510	3 590	3 990	3 250	2 540B	2 350B	6
7	1 370B	2 170B	1 620B	1 400B	2 930B	4 010	3 420	3 510	3 900	3 250	2 350B	2 530B	7
8	1 330B	2 200B	1 550B	1 420B	3 100B	4 040	3 340	3 640	3 660	3 340	2 360B	2 640B	8
9	1 320B	2 190B	1 500B	1 470B	3 300B	4 220	3 310	4 430	3 570	3 400	2 410B	2 720B	9
10	1 320B	2 170B	1 450B	1 510B	3 520B	4 450	3 290	5 160	3 590	3 500	2 050B	2 640B	10
11	1 340B	2 190B	1 410B	1 560B	3 710B	4 640	3 400	5 400	3 560	3 560	1 850B	2 590B	11
12	1 360B	2 210B	1 400B	1 620B	3 610B	4 760	3 600	5 280	3 370	3 520	1 840B	2 570B	12
13	1 420B	2 240B	1 370B	1 650B	3 840B	4 800	3 920	5 040	3 420	3 570	1 950B	2 510B	13
14	1 520B	2 270B	1 370B	1 670B	3 800B	4 720	4 180	4 740	3 380	3 580	2 060B	2 410B	14
15	1 530B	2 290B	1 350B	1 720B	4 060B	4 530	4 300	4 500	3 220	3 600	2 260B	2 420B	15
16	1 500B	2 320B	1 340B	1 730B	4 500B	4 350	4 300	4 290	3 380	3 710	2 340B	2 220B	16
17	1 470B	2 300B	1 320B	1 750B	5 010B	4 260	4 140	4 070	3 590	3 900	2 330B	2 100B	17
18	1 530B	2 200B	1 330B	1 760B	4 900B	4 170	3 920	3 960	3 820	3 730	2 330B	1 970B	18
19	1 590B	2 140B	1 320B	1 760B	4 710	4 210	3 640	3 660	3 930	3 580	2 260B	1 870B	19
20	1 680B	2 090B	1 290B	1 750B	4 660	4 330	3 560	3 540	3 900	3 470	2 200B	1 880B	20
21	1 770B	2 100B	1 250B	1 760B	4 740	4 490	4 880	3 490	3 800	3 480	2 200B	1 980B	21
22	1 800B	2 120B	1 210B	1 750B	4 870	4 490	6 070	3 480	3 710	3 450	2 260B	2 080B	22
23	1 810B	2 140B	1 180B	1 730B	4 930	4 440	6 180	3 410	3 630	3 370	2 040B	2 150B	23
24	1 760B	2 150B	1 170B	1 690B	4 930	4 390	5 880	3 410	3 570	3 150	2 140B	2 180B	24
25	1 770B	2 160B	1 180B	1 640B	4 940	4 260	5 590	3 470	3 510	3 140	2 310B	2 220B	25
26	1 780B	2 180B	1 180B	1 620B	5 070	4 140	5 300	3 630	3 550	3 130	2 370B	2 240B	26
27	1 800B	2 170B	1 200B	1 600B	5 160	4 100	5 060	3 860	3 560	3 120	2 370B	2 250B	27
28	1 820B	2 190B	1 230B	1 550B	5 050	4 100	4 790	3 980	3 520	3 110	2 330B	2 220B	28
29	1 840B		1 240B	1 520B	4 910	4 110	4 570	3 990	3 460	3 080	2 140B	2 200B	29
30	1 870B		1 300B	1 570B	4 780	4 080	4 420	3 970	3 370	3 020	1 980B	2 240B	30
31	1 900B		1 360B		4 650		4 350	3 970		2 980		2 330B	31
TOTAL	50 220	60 290	44 920	47 520	122 620	130 150	131 620	126 050	109 750	104 120	69 130	69 690	TOTAL
MEAN	1 620	2 150	1 450	1 580	3 960	4 340	4 250	4 070	3 660	3 360	2 300	2 250	MEAN
MAX	2 000	2 320	2 170	1 760	5 160	4 800	6 180	5 400	4 000	3 900	2 890	2 720	MAX
MIN	1 320	1 930	1 170	1 370	1 630	4 010	3 290	3 410	3 220	2 980	1 840	1 870	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 920
MAXIMUM DAILY, 6 180 ON JUL 23
MINIMUM DAILY, 1 170B ON MAR 24
MAXIMUM INSTANTANEOUS,
6 250 AT 20:31 MST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 20 N
LONG 111 35 00 W
DRAINAGE AREA, 606 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 340 000	JUL	11 400 000
FEB	5 210 000	AUG	10 900 000
MAR	3 880 000	SEP	9 480 000
APR	4 110 000	OCT	9 000 000
MAY	10 600 000	NOV	5 970 000
JUN	11 200 000	DEC	6 020 000

TOTAL DISCHARGE, 92 100 000 dam³

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.2 B	12.1 B	9.83B	7.70B	16.2	253	365	227	103	66.9	39.8	20.0B	1
2	11.3 B	12.3 B	9.47B	8.00B	18.6	293	358	353	115	68.1	34.3	20.7B	2
3	12.2 B	11.8 B	9.28B	7.80B	19.5	311	381	428	123	71.1	35.3	19.0B	3
4	9.29B	8.79B	9.42B	11.3 B	17.2	317	475	323	134	66.8	40.7	17.0B	4
5	10.7 B	12.2 B	9.98B	12.1 B	16.0	300	482	263	174	63.0	37.1	18.3B	5
6	11.3 B	13.6 B	10.2 B	14.6 B	18.2	221	437	222	153	60.4	36.6	16.5B	6
7	9.10B	13.2 B	10.3 B	12.3 B	21.9	169	391	205	145	58.4	32.9	14.2B	7
8	8.19B	11.8 B	10.2 B	15.4 B	22.9	150	326	192	210	55.2	32.0	13.2B	8
9	7.98B	10.1 B	10.4 B	15.5 B	22.7	160	279	192	273	53.3	26.4B	15.5B	9
10	9.64B	10.9 B	9.59B	16.9 B	25.9	211	241	197	255	53.2	23.0B	17.0B	10
11	10.9 B	12.5 B	9.41B	16.8 B	33.7	282A	226	206	191	55.5	22.0B	16.0B	11
12	11.6 B	12.0 B	7.88B	16.7 B	37.8	375E	213	176	166	57.1	17.3B	15.0B	12
13	12.4 B	12.2 B	9.29B	14.1 B	42.5	459E	213	148	145	55.6	18.7B	13.5B	13
14	12.7 B	12.1 B	8.67B	11.7 B	47.0	498A	232	140	129	63.0	17.2B	13.0B	14
15	9.67B	11.8 B	7.78B	9.90B	54.9	513	393	144	119	69.1	20.5B	13.5B	15
16	9.39B	12.4 B	8.21B	8.99B	67.3	460	416	172	113	72.1	19.6B	14.5B	16
17	11.8 B	12.7 B	8.75B	8.25B	87.7	403	430	165	109	72.1	19.5B	15.0B	17
18	13.1 B	12.9 B	8.74B	6.70B	110	403	386	149	106	69.6	21.1B	15.5B	18
19	12.6 B	12.6 B	7.87B	8.70B	117	428	395	136	107	58.6	17.0B	14.7B	19
20	13.0 B	12.2 B	9.11B	13.5 B	119	453	358	129	103	52.8	16.0B	14.0B	20
21	12.9 B	11.9 B	8.73B	10.7 B	125	490	305	129	96.6	52.4	15.0B	13.5B	21
22	12.6 B	9.40B	10.4 B	15.0 B	167	493	262	130	94.6	52.3	16.5B	12.8B	22
23	13.3 B	7.05B	9.29B	17.0 B	160	435A	217	121	91.6	56.5	18.5B	13.0B	23
24	12.7 B	6.19B	8.41B	17.5 B	150	371A	195	119	90.9	53.5	17.0B	13.8B	24
25	12.0 B	7.78B	8.36B	14.9 B	257	338	192	122	86.8	50.4	14.0B	15.2B	25
26	12.4 B	8.79B	8.67B	14.0 B	206	312	188	129	84.7	47.9	15.0B	15.5B	26
27	11.9 B	10.0 B	9.05B	15.1	153	316	187	124	83.0	46.7	16.5B	15.0B	27
28	12.0 B	10.3 B	7.32B	16.0	128	429	188	124	83.2	44.9	17.5B	14.5B	28
29	12.1 B		9.10B	15.2	124	362	191	111	77.1	39.4	18.5B	14.0B	29
30	11.6 B		8.76B	14.5	150	344	195	111	69.9	41.2	19.6B	16.0B	30
31	11.9 B		8.70B		198		200	110		41.3		17.0B	31
TOTAL	353.46	311.60	281.17	386.84	2 734.0	10 549	9 317	5 497	3 831.4	1 763.4	695.1	476.4	TOTAL
MEAN	11.4	11.1	9.07	12.9	88.2	352	301	177	128	56.9	23.2	15.4	MEAN
MAX	13.3	13.6	10.4	17.5	257	513	482	428	273	72.1	40.7	20.7	MAX
MIN	7.98	6.19	7.32	6.70	16.0	150	187	110	69.9	39.4	14.0	12.8	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 99.2
MAXIMUM DAILY, 513 ON JUN 15
MINIMUM DAILY, 6.19B ON FEB 24
MAXIMUM INSTANTANEOUS,
558 AT 06:45 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 119 09 00 W
DRAINAGE AREA, 3 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 500	JUL	805 000
FEB	26 900	AUG	475 000
MAR	28 300	SEP	331 000
APR	33 400	OCT	152 000
MAY	236 000	NOV	60 100
JUN	911 000	DEC	41 200

TOTAL DISCHARGE, 3 130 000 dam³

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.0B	26.9B	30.4B	35.0B	460	825	682	692E	507A	330	155	88.9B	1
2	18.7B	27.9B	30.8B	35.0B	464	983	681	765E	492E	323	166	65.4B	2
3	18.4B	29.1B	31.2B	35.5B	483	1 110	710	2 490A	476A	314	198 B	64.3B	3
4	18.0B	28.9B	32.3B	36.0B	533	1 230	763	4 260A	458E	304	134 B	62.9B	4
5	18.0B	29.2B	35.1B	37.5B	602	1 290	846A	3 090A	432A	295	113 B	61.7B	5
6	18.5B	29.7B	36.4B	38.0B	543	1 250	1 320A	2 240A	506A	275	122 B	60.7B	6
7	19.3B	29.8B	37.7B	39.0B	529A	1 100	1 610A	1 350A	504A	257	131 B	59.3B	7
8	20.7B	29.1B	37.9B	40.0B	638A	936	1 490A	984A	493E	250	106 B	60.3B	8
9	21.9B	27.7B	38.4B	42.0B	753A	826	1 310A	1 110A	482A	236	92.2B	61.2B	9
10	22.2B	26.8B	39.1B	43.5B	733A	789	1 070A	1 010A	736A	223	100 B	61.3B	10
11	22.0B	26.2B	39.6B	44.5B	788A	882	918E	1 230A	832A	210	83.4B	62.0B	11
12	21.4B	27.5B	39.7B	45.1B	734	1 020	766A	831A	706A	201	69.4B	60.8B	12
13	21.4B	27.9B	40.1B	45.9B	993	1 120	698	757A	622A	197	60.7B	59.9B	13
14	21.1B	27.4B	40.5B	50.1B	1 010	1 190	640	716A	590	198	57.6B	60.0B	14
15	20.3B	27.3B	40.9B	50.4B	1 010	1 270	1 190	622A	536	191	59.8B	59.5B	15
16	20.3B	27.0B	40.7B	47.7B	1 060	1 270	6 500	604A	487	191	58.0B	54.9B	16
17	21.1B	28.7B	A0.4B	46.0B	1 170	1 170	6 630A	622A	450	203	66.3B	58.6B	17
18	21.8B	29.4B	40.2B	45.7B	1 250	1 040	3 300A	988A	429	211	63.9B	59.8B	18
19	22.6B	29.6B	39.2B	48.3B	1 320	989	2 330A	913A	417	221	61.6B	58.8B	19
20	23.2B	30.0B	41.1B	48.7B	1 260	1 000	1 870A	780A	381A	208	59.6B	57.6B	20
21	23.0B	30.0B	41.4B	56.7B	1 140	1 040	1 580A	678A	350A	191	57.5B	58.0B	21
22	24.4B	29.4B	41.1B	69.2B	1 050	1 060	1 310A	635A	330	179	57.8B	58.9B	22
23	26.1B	29.6B	40.2B	97.7B	1 090	1 050	1 160A	587E	314	180	58.8B	56.6B	23
24	28.2B	29.8B	40.0B	126 B	1 090	947	1 030A	539E	302	179	58.4B	54.5B	24
25	28.5B	30.1B	39.0B	229 B	954	815	922A	491A	290	191A	58.5B	52.2B	25
26	29.2B	30.6B	37.8B	247 B	1 090	732	805A	480A	279	203	60.4B	49.5B	26
27	29.2B	31.2B	36.6B	299 A	1 150	668	762A	505A	272	203	58.8B	48.5B	27
28	28.6B	31.1B	36.0B	364 A	960	638	656A	533A	280	200	70.0B	47.7B	28
29	28.2B		35.5B	438 A	821	740	608A	518A	291	193	77.7B	48.3B	29
30	28.3B		35.2B	463	731	769	621E	507A	313	184	75.5B	49.0B	30
31	27.8B		35.0B		724		647E	473A		170		50.9B	31
TOTAL	711.4	807.9	1 169.5	3 243.5	27 323	29 749	45 421	32 000	13 553	6 911	2 538.9	1 792.0	TOTAL
MEAN	22.9	28.9	37.7	108	881	992	1 470	1 030	452	223	84.6	57.8	MEAN
MAX	29.2	31.2	41.4	463	1 320	1 290	6 630	4 260	832	330	166	88.9	MAX
MIN	18.0	26.2	30.4	35.0	460	638	608	473	272	170	57.5	47.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 453
MAXIMUM DAILY, 6 630A ON JUL 17
MINIMUM DAILY, 18.0B ON JAN 4
MAXIMUM INSTANTANEOUS,
9 020 AT 23:30 MST ON JUL 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 42 56 N
LONG 117 37 19 W
DRAINAGE AREA, 50 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	61 500	JUL	3 920 000
FEB	69 800	AUG	2 760 000
MAR	101 000	SEP	1 170 000
APR	280 000	OCT	597 000
MAY	2 360 000	NOV	219 000
JUN	2 570 000	DEC	155 000

TOTAL DISCHARGE, 14 300 000 dam³

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.179B	0.023	0	0.001	0.042	0	0	0	---	1
2	---	---	0 B	0.123B	0.012	0	0.254	0.021	0	0	---	---	2
3	---	---	0 B	0.117B	0.006	0	0.200	0.016	0	0	---	---	3
4	---	---	0 B	0.105B	0.004	0	0.127	0.011	0	0	---	---	4
5	---	---	0 B	0.103B	0.002	0	0.092	0.007	0	0	---	---	5
6	---	---	0 B	0.102B	0.001	0.001	0.064	0.003	0	0	---	---	6
7	---	---	0 B	0.100B	0	0.007	0.041	0	0	0	---	---	7
8	---	---	0 B	0.098B	0	0.007	0.034	0	0	0	---	---	8
9	---	---	0 B	0.095B	0	0.004	0.028	0	0	0	---	---	9
10	---	---	0 B	0.096B	0.001	0.002	0.023	0	0	0	---	---	10
11	---	---	0 B	0.289	0	0.001	0.018	0	0	0	---	---	11
12	---	---	0 B	0.807	0	0	0.012	0	0	0	---	---	12
13	---	---	0 B	0.801	0	0	0.008	0	0	0	---	---	13
14	---	---	0 B	0.401	0	0	0.005	0	0	0	---	---	14
15	---	---	0 B	0.271	0	0.003	0.003	0	0	0	---	---	15
16	---	---	0 B	0.179	0	0.025	0.001	0	0	0	---	---	16
17	---	---	0 B	0.134	0	0.002	0	0	0	0	---	---	17
18	---	---	0 B	0.083	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.059	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.053	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.042	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.036	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.036	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0.038	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0.048	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0.035	0	0	0	0	0	0	---	---	26
27	---	0B	0 B	0.030	0	0	0	0	0	0	---	---	27
28	---	0B	0.200B	0.024	0	0.216	0.003	0	0	0	---	---	28
29	---		0.394B	0.019	0	0.014	0.345	0	0	0	---	---	29
30	---		0.508B	0.029	0	0.004	0.171	0	0	0	---	---	30
31	---		0.307B		0		0.093	0		0		---	31
TOTAL	---	---	1.409	4.532	0.049	0.286	1.523	0.100	0	0	---	---	TOTAL
MEAN	---	---	0.045	0.151	0.002	0.010	0.049	0.003	0	0	---	---	MEAN
MAX	---	---	0.508	0.807	0.023	0.216	0.345	0.042	0	0	---	---	MAX
MIN	---	---	0	0.019	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.807 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.14 AT 06:33 MST ON JUN 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 20 N
LONG 112 54 46 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132
FEB	---	AUG	8.64
MAR	122	SEP	0
APR	392	OCT	0
MAY	4.23	NOV	---
JUN	24.7	DEC	---

TOTAL DISCHARGE, 684 dam³

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	9.19E	59.8	122	59.1	33.3	23.9	---	---	1
2	---	---	---	---	9.17E	73.3	121	75.3	32.6	25.8	---	---	2
3	---	---	---	---	10.1 E	85.7	125	84.7	35.6	28.3	---	---	3
4	---	---	---	---	10.8 E	93.0	161	73.9	39.4	27.1	---	---	4
5	---	---	---	---	9.08E	87.9	156	62.3	46.1	25.1	---	---	5
6	---	---	---	---	8.70E	69.3	138	53.9	45.8	23.9	---	---	6
7	---	---	---	---	9.72E	52.3	115	50.8	42.2	23.1	---	---	7
8	---	---	---	---	11.1 E	44.4	96.7	48.1	46.2	21.5	---	---	8
9	---	---	---	---	10.7 E	43.7	83.1	47.8	45.3	20.3	---	---	9
10	---	---	---	---	10.2 E	59.4	74.8	49.4	72.9	20.0	---	---	10
11	---	---	---	---	10.5 E	84.2	69.5	49.8	58.6	21.2	---	---	11
12	---	---	---	---	9.71A	109	65.5	46.3	48.7	22.7	---	---	12
13	---	---	---	---	13.5 E	126	65.4	39.9	42.2	23.1	---	---	13
14	---	---	---	---	14.3 E	148	72.2	38.6	37.4	27.6	---	---	14
15	---	---	---	---	15.7 E	152	91.8	40.7	34.2	31.6	---	---	15
16	---	---	---	---	17.2 E	148	89.4	42.0	32.3	32.3	---	---	16
17	---	---	---	---	19.6	136	88.3	42.9	30.8	31.8	---	---	17
18	---	---	---	---	22.3	131	84.2	40.6	29.8	28.5	---	---	18
19	---	---	---	---	23.4	137	92.0	37.5	29.3	25.0	---	---	19
20	---	---	---	---	24.7	150	95.6	35.6	28.6	23.9	---	---	20
21	---	---	---	---	26.4	159	79.6	35.3	27.5	22.5	---	---	21
22	---	---	---	---	34.0	165	68.8	37.9	26.7	22.5	---	---	22
23	---	---	---	---	35.1	152	56.7	36.8	26.4	24.4	---	---	23
24	---	---	---	---	33.8	128	52.8	34.8	25.8	23.3	---	---	24
25	---	---	---	---	49.0	106	50.7	35.1	25.6	21.8	---	---	25
26	---	---	---	---	49.5	96.9	49.6	39.6	26.5	20.6A	---	---	26
27	---	---	---	---	41.6	105	49.9	39.8	27.5	20.4E	---	---	27
28	---	---	---	---	34.5	161	50.4	39.2	28.1	19.7E	---	---	28
29	---		---	---	30.4	150	51.1	36.7	27.2	18.8E	---	---	29
30	---		---	---	33.4	128	52.8	35.3	24.9	17.0E	---	---	30
31	---		---		44.9		53.9	34.9		17.4E		---	31
TOTAL	---	---	---	---	681.47	3 336.9	2 620.8	1 424.6	1 097.5	734.3	---	---	TOTAL
MEAN	---	---	---	---	22.0	111	84.5	46.0	36.6	23.7	---	---	MEAN
MAX	---	---	---	---	49.5	165	161	84.7	72.9	32.3	---	---	MAX
MIN	---	---	---	---	8.70	43.7	49.6	34.8	24.9	17.0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.8
MAXIMUM DAILY, 165 ON JUN 22
MINIMUM DAILY, 8.70E ON MAY 6
MAXIMUM INSTANTANEOUS,
172 AT 18:55 MST ON JUN 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 28 N
LONG 118 01 58 W
DRAINAGE AREA, 1 580 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	226 000
FEB	---	AUG	123 000
MAR	---	SEP	94 800
APR	---	OCT	63 400
MAY	58 900	NOV	---
JUN	288 000	DEC	---

TOTAL DISCHARGE, 854 000 dam³

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.020B	0	0.014	0.005	0.004	0	0.003	0	---	1
2	---	---	0 B	0 B	0	0.006	0.008	0.005	0	0.003	---	---	2
3	---	---	0 B	0 B	0	0.003	0.010	0.006	0	0.003	---	---	3
4	---	---	0 B	0 B	0	0.002	0.008	0.005	0	0.002	---	---	4
5	---	---	0 B	0 B	0	0.002	0.005	0.004	0.001	0.002	---	---	5
6	---	---	0 B	0 B	0	0.176	0.005	0.003	0.001	0.001	---	---	6
7	---	---	0 B	0 B	0	0.045	0.003	0.002	0.001	0.001	---	---	7
8	---	---	0 B	0 B	0	0.022	0.006	0.001	0.001	0.001	---	---	8
9	---	---	0 B	0 B	0	0.011	0.005	0	0	0	---	---	9
10	---	---	0 B	0.200B	0	0.008	0.004	0	0	0	---	---	10
11	---	---	0 B	0.368B	0	0.008	0.004	0	0	0	---	---	11
12	---	---	0 B	0.720B	0	0.006	0.004	0	0	0	---	---	12
13	---	---	0 B	1.31 B	0	0.005A	0.004	0	0	0	---	---	13
14	---	---	0 B	0.900B	0	0.005	0.005	0	0	0	---	---	14
15	---	---	0 B	0.650B	0	0.005	0.004	0	0	0	---	---	15
16	---	---	0 B	0.458B	0	0.004	0.003	0	0	0	---	---	16
17	---	---	0 B	0.337B	0	0.002	0.004	0	0	0.003	---	---	17
18	---	---	0 B	0.250B	0	0.002	0.004	0	0	0.003	---	---	18
19	---	---	0 B	0.128B	0.001	0.002	0.004	0	0	0.003	---	---	19
20	---	---	0 B	0.094B	0.002	0.002	0.003	0	0	0.003	---	---	20
21	---	---	0 B	0.078B	0	0.001	0.003	0	0	0.003	---	---	21
22	---	---	0 B	0.043	0	0.002	0.002	0	0	0.003	---	---	22
23	---	---	0 B	0.028	0	0.003	0	0	0	0.002	---	---	23
24	---	---	0 B	0.019	0	0.002	0	0	0	0.001	---	---	24
25	---	---	0.002B	0.010	0	0.004	0	0	0	0.001	---	---	25
26	---	---	0.004B	0.002	0	0.003	0.006	0	0	0.001	---	---	26
27	---	---	0.003B	0	0.003	0.004	0.008	0	0	0.001	---	---	27
28	---	---	0.002B	0	0	0.005	0.006	0	0	0.001	---	---	28
29	---		0.010B	0	0.002	0.004	0.005	0	0.001	0	---	---	29
30	---		0.080B	0	0.033	0.004	0.005	0	0.004	0	---	---	30
31	---		0.070B		0.029		0.004	0		0		---	31
TOTAL	---	---	0.171	5.615	0.070	0.362	0.137	0.030	0.009	0.041	---	---	TOTAL
MEAN	---	---	0.006	0.187	0.002	0.012	0.004	0.001	0	0.001	---	---	MEAN
MAX	---	---	0.080	1.31	0.033	0.176	0.010	0.006	0.001	0.003	---	---	MAX
MIN	---	---	0	0	0	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 1.31B ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 55 N
LONG 110 28 25 W
DRAINAGE AREA, 3 080 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11.8
FEB	---	AUG	2.59
MAR	10.0	SEP	0.78
APR	485	OCT	3.54
MAY	6.05	NOV	---
JUN	31.3	DEC	---

TOTAL DISCHARGE, 556 dam³

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.322B	1.06	0.017	0.023	0.018	0.005	---	---	1
2	---	---	0B	0 B	0.435B	0.978	0.013	0.027	0.017	0.005	---	---	2
3	---	---	0B	0 B	0.776B	0.948	0.014	0.062	0.017	0.006	---	---	3
4	---	---	0B	0 B	0.619B	0.869	0.013	0.058	0.016	0.005	---	---	4
5	---	---	0B	0 B	3.76 B	0.813	0.013	0.040	0.014	0.005	---	---	5
6	---	---	0B	0 B	7.38 B	0.758	0.012	0.031	0.011	0.006	---	---	6
7	---	---	0B	0 B	8.05 E	0.715	0.009	0.016	0.010	0.008	---	---	7
8	---	---	0B	0 B	7.60 E	0.687	0.008	0.014	0.007	0.010	---	---	8
9	---	---	0B	0 B	6.62 E	0.653	0.008	0.011	0.007	0.011	---	---	9
10	---	---	0B	0 B	5.42 E	0.616	0.007	0.007	0.010	0.018	---	---	10
11	---	---	0B	0 B	4.35 E	0.604	0.008	0.006	0.015	0.019	---	---	11
12	---	---	0B	0 B	4.09 E	0.590	0.008	0.005	0.022	0.019	---	---	12
13	---	---	0B	0 B	5.05 E	0.563	0.008	0.005	0.023	0.020	---	---	13
14	---	---	0B	0 B	4.19 E	0.522	0.007	0.005	0.022	0.020	---	---	14
15	---	---	0B	0 B	4.39 E	0.473	0.008	0.005	0.019	0.018	---	---	15
16	---	---	0B	0 B	4.45 E	0.418	0.008	0.005	0.016	0.026	---	---	16
17	---	---	0B	0 B	4.30 A	0.347	0.009	0.005	0.015	0.033	---	---	17
18	---	---	0B	0 B	4.19	0.271	0.009	0.005	0.011	0.028	---	---	18
19	---	---	0B	0 B	3.90	0.209	0.010	0.005	0.008	0.030	---	---	19
20	---	---	0B	0 B	3.57	0.178	0.009	0.005	0.008	0.026	---	---	20
21	---	---	0B	0.001B	3.26	0.323	0.010	0.005	0.006	0.024	---	---	21
22	---	0B	0B	0.002B	3.16	0.219	0.013	0.005	0.006	0.023	---	---	22
23	---	0B	0B	0.003B	2.64	0.260	0.013	0.005	0.006	0.024	---	---	23
24	---	0B	0B	0.002B	2.48	0.256	0.013	0.005	0.005	0.025	---	---	24
25	---	0B	0B	0.011B	2.25	0.185	0.013	0.005	0.006	0.025	---	---	25
26	---	0B	0B	0.020B	1.94	0.145	0.014	0.005	0.006	0.025	---	---	26
27	---	0B	0B	0.038B	1.72	0.095	0.022	0.006	0.005	0.029	---	---	27
28	---	0B	0B	0.589B	1.55	0.049	0.018	0.009	0.005	0.033	---	---	28
29	---		0B	0.833B	1.42	0.024	0.017	0.013	0.005	0.036A	---	---	29
30	---		0B	0.601B	1.35	0.021	0.019	0.024	0.005	0.035E	---	---	30
31	---		0B		1.19		0.021	0.020		0.034B		---	31
TOTAL	---	---	0	2.100	106.422	13.741	0.371	0.442	0.341	0.631	---	---	TOTAL
MEAN	---	---	0	0.070	3.43	0.458	0.012	0.014	0.011	0.020	---	---	MEAN
MAX	---	---	0	0.833	8.05	1.06	0.022	0.062	0.023	0.036	---	---	MAX
MIN	---	---	0	0	0.322	0.021	0.007	0.005	0.005	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.506
MAXIMUM DAILY, 8.05E ON MAY 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 36 00 N
LONG 118 29 00 W
DRAINAGE AREA, 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	32.1
FEB	---	AUG	38.2
MAR	0	SEP	29.5
APR	181	OCT	54.5
MAY	9 190	NOV	---
JUN	1 190	DEC	---

TOTAL DISCHARGE, 10 700 dam³

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.453B	0.453B	2.61	4.64	2.46	0.368	0.221	0.595	---	---	1
2	---	---	0.425B	0.453B	3.40	3.60	1.93	0.368	0.181	0.595	---	---	2
3	---	---	0.396B	0.425B	3.85	3.00	1.50	0.368	0.144	0.566	---	---	3
4	---	---	0.396B	0.425B	3.00	2.63	1.27	0.368	0.170	0.481	---	---	4
5	---	---	0.396B	0.425B	2.24	2.55	1.22	0.368	0.221	0.453	---	---	5
6	---	---	0.396B	0.453B	1.98	2.41	1.22	0.368	0.235	0.425	---	---	6
7	---	---	0.396B	0.453B	1.98	2.72	1.16	0.311	0.207	0.368	---	---	7
8	---	---	0.425B	0.453B	2.04	2.49	1.19	0.311	0.156	0.368	---	---	8
9	---	---	0.425B	0.453B	1.93	2.12	1.08	0.368	0.122	0.340	---	---	9
10	---	---	0.453B	0.906B	1.76	2.01	0.991	0.510	0.091	0.340	---	---	10
11	---	---	0.453B	1.56 B	1.56	1.90	0.906	0.510	0.110	0.340	---	---	11
12	---	---	0.453B	2.12 B	1.53	1.84	0.878	0.425	0.181	0.340	---	---	12
13	---	---	0.481B	5.66 B	1.76	1.84	0.850	0.396	0.340	0.340	---	---	13
14	---	---	0.510B	3.40 B	2.01	1.90	0.878	0.368	0.340	0.340	---	---	14
15	---	---	0.510B	2.61 B	2.21	1.93	0.821	0.340	0.340	0.340	---	---	15
16	---	---	0.481B	2.49 B	2.38	1.93	0.793	0.340	0.340	0.340	---	---	16
17	---	---	0.453B	2.32 B	2.49	2.01	0.821	0.311	0.340	0.340	---	---	17
18	---	---	0.453B	2.21 B	2.61	1.93	0.765	0.263	0.340	0.340	---	---	18
19	---	---	0.453B	2.15 B	2.69	1.76	0.708	0.235	0.283	0.340	---	---	19
20	---	---	0.425B	2.10 B	2.41	1.59	0.680	0.221	0.278	0.340	---	---	20
21	---	---	0.396B	2.55 B	2.04	1.59	0.651	0.221	0.235	0.340	---	---	21
22	---	---	0.396B	5.21	2.01	1.53	0.595	0.207	0.221	0.340	---	---	22
23	---	---	0.425B	8.47	1.98	1.56	0.510	0.235	0.221	0.340	---	---	23
24	---	---	0.453B	5.80	1.98	1.67	0.510	0.278	0.221	0.340	---	---	24
25	---	---	0.481B	2.69	1.90	1.53	0.510	0.283	0.207	0.340	---	---	25
26	---	---	0.566B	2.32	2.04	1.64	0.510	0.283	0.195	0.340	---	---	26
27	---	---	0.623B	2.49	2.69	1.67	0.510	0.340	0.278	0.340	---	---	27
28	---	---	0.680B	3.14	3.54	1.70	0.453	0.278	0.538	0.340	---	---	28
29	---		0.623B	2.94	3.40	1.81	0.453	0.207	0.680	0.311	---	---	29
30	---		0.538B	2.46	3.06	3.09	0.425	0.221	0.651	0.278	---	---	30
31	---		0.481B		4.25		0.396	0.235		0.278		---	31
TOTAL	---	---	14.495	69.589	75.33	64.50	27.644	9.905	8.087	11.518	---	---	TOTAL
MEAN	---	---	0.468	2.32	2.43	2.15	0.892	0.320	0.270	0.372	---	---	MEAN
MAX	---	---	0.680	8.47	4.25	4.64	2.46	0.510	0.680	0.595	---	---	MAX
MIN	---	---	0.396	0.425	1.53	1.53	0.396	0.207	0.091	0.278	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 8.47 ON APR 23
MINIMUM DAILY, 0.091 ON SEP 10
MAXIMUM INSTANTANEOUS, 11.1 AT 23:45 MDT ON APR 23

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 45 20 N
LONG 113 10 00 W
DRAINAGE AREA, 181 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 390
FEB	---	AUG	856
MAR	1 250	SEP	699
APR	6 010	OCT	995
MAY	6 510	NOV	---
JUN	5 570	DEC	---

TOTAL DISCHARGE, 24 300 dam³

SOUTH HEART RESERVOIR NEAR MCLENNAN - STATION NO. 07BF008

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.588E	3.677	3.576	3.522	3.552	3.520	---	---	1
2	---	---	---	---	3.585E	3.677	3.575	3.552	3.550	3.521	---	---	2
3	---	---	---	---	3.510A	3.676	3.570	3.570	3.555	3.522	---	---	3
4	---	---	---	---	3.524	3.677	3.577	3.588	3.553	3.519	---	---	4
5	---	---	---	---	3.563	3.680	3.574	3.593	3.548	3.519	---	---	5
6	---	---	---	3.337A	3.562	3.663	3.568	3.586	3.547	3.522	---	---	6
7	---	---	---	---	3.585	3.638	3.567	3.593	3.534	3.512	---	---	7
8	---	---	---	---	3.595	3.633	3.558	3.597	3.542	3.511	---	---	8
9	---	---	---	---	3.607	3.634	3.555	3.591	3.544	3.516	---	---	9
10	---	---	---	---	3.627	3.637	3.544	3.583	3.530	3.519	---	---	10
11	---	---	---	---	3.618	3.633	3.540	3.568	3.539	3.511	---	---	11
12	---	---	---	---	3.629	3.657	3.540	3.558	3.540	3.513	---	---	12
13	---	---	---	---	3.646	3.653	3.541	3.559	3.539	3.511	---	---	13
14	---	---	---	---	3.656	3.638	3.543	3.558	3.533	3.515	---	---	14
15	---	---	---	3.282A	3.660	3.632	3.530	3.565	3.538	3.518	---	---	15
16	---	---	---	---	3.670	3.634	3.524	3.571	3.535	3.514	---	---	16
17	---	---	---	---	3.667	3.621	3.519	3.564	3.534	3.511	---	---	17
18	---	---	3.337A	---	3.681	3.636	3.503	3.559	3.539	3.500	---	---	18
19	---	---	---	---	3.667	3.628	3.506	3.563	3.539	3.500	---	---	19
20	---	---	---	---	3.676	3.616	3.515	3.571	3.537	3.499	---	---	20
21	---	---	---	3.257A	3.669	3.612	3.521	3.563	3.534	3.503	---	---	21
22	---	---	---	---	3.673	3.615	3.523	3.560	3.530	3.505	---	---	22
23	---	---	---	3.257A	3.658	3.603	3.525	3.561	3.523	3.503	---	---	23
24	---	---	---	---	3.644	3.606	3.528	3.561	3.523	3.507	---	---	24
25	---	---	3.337A	---	3.667	3.602	3.526	3.555	3.522	3.507	---	---	25
26	---	---	---	3.361A	3.677	3.597	3.532	3.554	3.525	3.506	---	---	26
27	---	---	---	3.385A	3.675	3.597	3.529	3.556	3.522	3.500A	---	---	27
28	---	---	---	3.398A	3.671	3.587	3.525	3.555	3.523	3.505E	---	---	28
29	---		---	---	3.676	3.587	3.518	3.561	3.520	3.510E	---	---	29
30	---		---	3.443A	3.675	3.581	3.513	3.561	3.519	3.510E	---	---	30
31	---		---		3.682		3.515	3.550		3.505E		---	31
MEAN	---	---	---	---	3.630	3.631	3.538	3.566	3.536	3.511	---	---	MEAN
MAX	---	---	---	---	3.687	3.680	3.577	3.597	3.555	3.522	---	---	MAX
MIN	---	---	---	---	3.500	3.581	3.503	3.522	3.519	3.499	---	---	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MAXIMUM DAILY, 3.687 ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 41 00 N
LONG 116 35 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 622.058 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.0B	46.0B	57.1B	88.5B	159	357	466 E	152	47.6	62.3	110	53.0B	1
2	32.0B	48.0B	59.1B	89.0B	169	331	469 E	118	49.7	65.3	120 A	55.0B	2
3	36.0B	47.5B	63.2B	81.5B	163	295	481 E	115	48.1	102	125	56.0B	3
4	35.0B	44.0B	62.1B	78.0B	153	281	563 E	119	51.5	86.7	128	56.0B	4
5	35.0B	45.0B	59.1B	75.5B	157	270	582 E	121	48.9	74.0	132	56.0B	5
6	35.5B	42.5B	57.0B	73.5B	182	268	556 E	111	46.0	70.9	122	56.0B	6
7	36.5B	41.0B	55.0B	69.3B	156	255	539 E	93.0	59.1	68.1	123	55.0B	7
8	38.4B	42.0B	55.0B	67.3B	152	298	541 E	95.7	56.6	76.1	131	59.0B	8
9	42.5B	38.0B	56.0B	65.2B	160	393	548 E	98.5	49.6	86.8	131	73.0B	9
10	47.0B	41.5B	57.0B	64.2B	166	427	454 E	90.5	45.8	76.2	113 B	79.0B	10
11	44.0B	44.5B	58.0B	63.2B	165	445	398 E	90.5	44.9	69.1	110 B	78.0B	11
12	45.5B	47.5B	61.0B	63.7B	165	469	323 E	85.9	44.5	68.1	101 B	77.0B	12
13	52.0B	50.0B	67.5B	70.8B	165	412	295 E	72.0	48.5	71.6	95.0B	76.0B	13
14	50.0B	54.0B	73.8B	87.8B	151	385	281 E	60.8	56.8	66.9	60.0B	75.0B	14
15	50.5B	59.0B	75.7B	104 B	131	428	225 E	54.8	53.8	68.6	46.0B	74.0B	15
16	52.0B	66.0B	71.5B	111 B	119	446E	230 E	57.5	44.9	65.7	39.0B	76.0B	16
17	50.0B	72.5B	70.6B	116 B	104	543E	206 E	59.2	47.9	66.8	39.0B	75.0B	17
18	52.0B	67.5B	71.0B	122 B	89.6	533E	223 E	68.5	56.9	65.7	40.0B	72.0B	18
19	54.5B	66.0B	69.2B	135 B	96.9	606E	217 E	75.9	73.7	82.1	45.0B	71.0B	19
20	57.5B	66.6B	68.6B	148 B	118	614E	200 E	69.4	71.5	119	50.0B	70.0B	20
21	62.0B	64.7B	68.2B	154 B	151	559E	175 E	59.2	60.3	106	46.0B	70.0B	21
22	67.0B	62.8B	67.6B	160 B	161	637E	195 E	53.7	50.9	100	43.0B	72.0B	22
23	64.5B	64.6B	67.1B	165 B	179	602E	180 E	48.6	45.4	95.7	40.0B	74.0B	23
24	65.0B	66.6B	65.2B	224	183	585E	134 E	45.8	43.2	92.0	41.0B	75.0B	24
25	67.0B	60.7B	66.1B	240	183	559E	129 E	46.4	42.1	99.8	42.0B	75.0B	25
26	62.0B	57.8B	69.0B	210	184	517E	109 E	50.5	48.2	101	44.0B	73.0B	26
27	57.0B	56.4B	70.0B	185	183	470E	94.5A	53.6	50.1	109	45.0B	71.0B	27
28	51.1B	56.2B	72.0B	199	190	497E	148	49.9	50.4	109	47.0B	71.0B	28
29	50.0B		73.3B	205	215	486E	164	48.0	55.6	152	48.0B	71.0B	29
30	52.5B		78.2B	181	282	483E	156	47.6	58.3	141	51.0B	72.0B	30
31	51.0B		81.8B		350		157	48.0		102		77.0B	31
TOTAL	1 528.0	1 519.8	2 046.0	3 696.5	5 182.5	13 451	9 434.5	2 359.5	1 550.8	2 718.9	2 309.0	2 143.0	TOTAL
MEAN	49.3	54.3	66.0	123	167	448	304	76.1	51.7	87.7	77.0	69.1	MEAN
MAX	67.0	72.5	81.8	240	350	637	582	152	73.7	152	132	79.0	MAX
MIN	32.0	38.0	55.0	63.2	89.6	255	94.5	45.8	42.1	63.3	39.0	53.0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 131
MAXIMUM DAILY, 637E ON JUN 22
MINIMUM DAILY, 32.0B ON JAN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 15 N
LONG 110 05 45 W
DRAINAGE AREA, 66 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	132 000	JUL	815 000
FEB	131 000	AUG	204 000
MAR	177 000	SEP	134 000
APR	319 000	OCT	235 000
MAY	448 000	NOV	199 000
JUN	1 160 000	DEC	185 000

TOTAL DISCHARGE, 4 140 000 dam³

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.0B	47.5B	63.0B	78.0B	132	341	478	95.8	44.3	85.9	120	56.0B	1
2	35.0B	44.0B	62.0B	77.0B	132	295	561	105	48.7	85.4	110	56.0B	2
3	35.0B	45.0B	59.0B	75.0B	116	280	580	105	44.5	85.8	116	56.0B	3
4	35.5B	42.5B	57.0B	73.0B	140	265	554	106	40.2	80.9	114	56.0B	4
5	36.5B	41.0B	55.0B	69.0B	136	263	537	88.3	55.8	56.9	103	55.0B	5
6	38.4B	42.0B	55.0B	67.0B	123	250	538	84.0	58.0	58.2	118	59.0B	6
7	42.5B	38.0B	56.0B	65.0B	119	310	546	89.0	44.0	75.9	113	73.0B	7
8	47.0B	41.5B	57.0B	64.0B	130	404	452	86.2	39.8	62.6	112	79.0B	8
9	44.0B	44.5B	58.0B	63.0B	131	441	396	80.7	38.2	54.3	109	78.0B	9
10	45.5B	47.5B	61.0B	63.5B	128	460	321	77.8	38.2	53.1	105 B	77.0B	10
11	52.0B	50.0B	65.0B	67.0B	130	474	293	71.4	40.9	57.6	95.0B	76.0B	11
12	50.0B	54.0B	68.5B	75.0B	127	416	279	55.7	49.0	57.8	60.0B	75.0B	12
13	50.5B	59.0B	68.0B	83.0B	106	406	223	55.2	43.9	57.6	40.0B	74.0B	13
14	52.0B	66.0B	68.0B	90.0B	98.4	444	228	51.0	38.7	53.8	39.0B	76.0B	14
15	50.0B	72.5B	67.5B	102 B	87.5	541	202	49.0	39.7	53.6	39.0B	75.0B	15
16	52.0B	67.0B	69.0B	117 B	70.7	531	221	61.7	50.2	52.8	40.0B	72.0B	16
17	54.5B	65.0B	69.0B	130 B	67.2	604	215	66.8	43.7	52.4	45.0B	71.0B	17
18	57.5B	64.0B	68.5B	145 B	75.8	612	198	68.2	47.0	58.9	50.0B	70.0B	18
19	62.0B	62.0B	68.0B	152 B	106	557	173	56.6	57.7	90.6	46.0B	70.0B	19
20	67.0B	60.0B	67.5B	159 B	123	635	193	49.2	44.8	84.2	43.0B	72.0B	20
21	64.5B	61.0B	67.0B	164 B	134	600	178	43.3	38.0	79.4	40.0B	74.0B	21
22	65.0B	62.5B	65.1B	171	148	583	132	39.1	35.8	74.1	41.0B	75.0B	22
23	67.0B	59.0B	66.0B	196	147	556	127	39.6	35.9	80.9	42.0B	75.0B	23
24	62.0B	57.0B	69.0B	203	153	515	107	43.3	39.7	82.3	44.0B	73.0B	24
25	57.0B	56.0B	70.0B	181	164	468	79.1	48.1	41.1	85.6	45.0B	71.0B	25
26	51.1B	56.0B	72.0B	156	174	495	100	45.7	38.5	93.7	47.0B	71.0B	26
27	50.0B	57.0B	73.0B	170	180	484	142	43.3	43.1	87.7	48.0B	71.0B	27
28	52.5B	59.0B	74.5B	162	211	481	139	41.7	45.9	147	51.0B	72.0B	28
29	51.0B		77.0B	140	297	463	136	41.7	53.6	89.9	53.0B	77.0B	29
30	46.0B		80.0B	125	372	465	139	39.8	55.1	84.9	55.0B	77.0B	30
31	48.0B		82.5B		381		125	44.5		93.1		76.0B	31
TOTAL	1 557.0	1 520.5	2 058.1	3 463.5	4 639.6	13 639	8 592.1	1 970.7	1 370.0	2 317.9	2 079.0	2 188.0	TOTAL
MEAN	50.2	54.3	66.4	115	150	455	277	63.6	45.7	74.8	69.3	70.6	MEAN
MAX	67.0	72.5	82.5	203	381	635	580	106	67.0	147	120	79.0	MAX
MIN	35.0	38.0	55.0	63.0	67.2	250	79.1	39.1	35.8	52.4	39.0	55.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 124
MAXIMUM DAILY, 635 ON JUN 20
MINIMUM DAILY, 35.0B ON JAN 2
MAXIMUM INSTANTANEOUS,
657 AT 06:46 MST ON JUN 20

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 35 N
LONG 110 40 40 W
DRAINAGE AREA, 56 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	135 000	JUL	742 000
FEB	131 000	AUG	170 000
MAR	178 000	SEP	118 000
APR	299 000	OCT	200 000
MAY	401 000	NOV	180 000
JUN	1 180 000	DEC	189 000

TOTAL DISCHARGE, 3 920 000 dam³

SOUTH WABASCA LAKE NEAR DESMARAIS - STATION NO. 07JA002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.375E	0.483A	0.339A	0.527A	0.658A	0.520A	---	---	1
2	---	---	---	---	0.380E	0.482A	0.340A	0.537A	0.648A	0.520A	---	---	2
3	---	---	---	---	0.380E	0.459A	0.339A	0.567A	0.638A	0.520A	---	---	3
4	---	---	---	---	0.385E	0.439A	0.337A	0.587A	0.638A	0.510A	---	---	4
5	---	---	---	---	0.395A	0.444A	0.337A	0.597A	0.643A	0.520A	---	---	5
6	---	---	---	---	0.432A	0.444A	0.337A	0.597A	0.638A	0.518A	---	---	6
7	---	---	---	---	0.442A	0.444A	0.337A	0.637A	0.638A	0.495	---	---	7
8	---	---	---	---	0.442A	0.439A	0.337A	0.687A	0.634A	0.482	---	---	8
9	---	---	---	---	0.452A	0.439A	0.337A	0.687A	0.619A	0.484	---	---	9
10	---	---	---	---	0.452A	0.434A	0.337A	0.677A	0.607A	0.479	---	---	10
11	---	---	---	---	0.457A	0.434A	0.336A	0.677A	0.609A	0.461	---	---	11
12	---	---	---	---	0.452A	0.429A	0.337A	0.687A	0.609A	0.458	---	---	12
13	---	---	---	---	0.452A	0.414A	0.337A	0.677A	0.604A	0.464	---	---	13
14	---	---	---	---	0.462A	0.414A	0.338A	0.667A	0.599A	0.452	---	---	14
15	---	---	---	---	0.463A	0.394A	0.337A	0.677A	0.594A	0.456	---	---	15
16	---	---	---	---	0.463A	0.384A	0.336A	0.667A	0.589A	0.458	---	---	16
17	---	---	---	---	0.463A	0.389A	0.356A	0.667A	0.589A	0.452	---	---	17
18	---	---	---	---	0.463A	0.384A	0.366A	0.657A	0.589A	0.448	---	---	18
19	---	---	---	---	0.473A	0.384A	0.391A	0.658A	0.584A	0.447	---	---	19
20	---	---	---	---	0.473A	0.384A	0.396A	0.658A	0.579A	0.446	---	---	20
21	---	---	---	---	0.483A	0.384A	0.406A	0.678A	0.569A	0.444	---	---	21
22	---	---	---	---	0.493A	0.380A	0.416A	0.668A	0.564A	0.442	---	---	22
23	---	---	---	---	0.473A	0.380A	0.426A	0.678A	0.559A	0.440	---	---	23
24	---	---	---	---	0.493A	0.375A	0.456A	0.678A	0.559A	0.438	---	---	24
25	---	---	---	---	0.493A	0.375A	0.496A	0.678A	0.559A	0.436	---	---	25
26	---	---	---	---	0.503A	0.375A	0.496A	0.678A	0.554A	0.434A	---	---	26
27	---	---	---	---	0.503A	0.375A	0.506A	0.688A	0.550A	0.431E	---	---	27
28	---	---	---	---	0.503A	0.380A	0.526A	0.688A	0.540A	0.429E	---	---	28
29	---		---	---	0.503A	0.381A	0.526A	0.678A	0.530A	0.427E	---	---	29
30	---		---	---	0.493A	0.389A	0.536A	0.668A	0.530A	0.425E	---	---	30
31	---		---		0.493A		0.537A	0.668A		0.422E		---	31
MEAN	---	---	---	---	0.458	0.406	0.395	0.653	0.594	0.463	---	---	MEAN
MAX	---	---	---	---	0.503	0.483	0.537	0.688	0.658	0.520	---	---	MAX
MIN	---	---	---	---	0.375	0.339	0.336	0.527	0.530	0.422	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 0.688A ON AUG 27

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 56 30 N
LONG 113 45 50 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.6	15.3	7.08	2.83	0.283	1.98	8.50	17.6	0.283	5.66	14.7	18.1	1
2	15.9	18.4	9.34	3.11	3.11	0.566	7.36	24.4	2.27	6.23	16.1	18.4	2
3	17.8	15.6	5.66	5.10	3.68	1.98	9.63	15.9	3.11	5.38	16.1	18.1	3
4	19.0	17.0	7.93	5.66	2.83	3.96	13.9	11.9	2.83	7.93	16.4	17.3	4
5	15.0	16.4	7.93	9.63	0.850	0.283	23.5	13.0	2.27	7.08	14.2	16.4	5
6	19.0	15.3	8.50	7.36	0.283	0.283	22.4	16.1	3.40	9.63	13.6	15.9	6
7	20.1	13.0	7.08	7.08	0.283	0.850	21.5	22.7	3.96	7.08	14.2	19.3	7
8	21.0	18.1	3.68	11.0	0.283	0.850	21.2	15.9	3.40	9.34	17.0	19.8	8
9	19.3	9.34	3.68	0.283	0.283	8.78	21.5	20.1	4.53	5.66	17.6	20.1	9
10	21.0	14.2	4.25	4.81	0.283	6.51	21.0	17.3	9.63	7.36	17.8	18.1	10
11	21.5	11.3	4.53	1.13	0.283	3.68	15.3	15.6	6.23	3.68	12.2	13.3	11
12	19.3	13.6	0.283	7.93	0.283	2.27	7.08	9.34	0.283	13.0	12.7	12.5	12
13	17.8	13.7	0.283	2.83	0.283	1.70	5.66	4.53	0.283	11.9	11.0	19.5	13
14	21.2	13.3	0.283	4.53	0.283	7.93	5.66	1.13	4.53	11.0	9.34	20.1	14
15	22.1	11.9	7.08	1.70	0.283	1.98	8.50	1.98	6.51	6.80	15.0	21.5	15
16	19.3	9.63	8.78	2.83	0.283	4.53	2.83	0.283	8.78	5.66	17.3	21.2	16
17	19.3	8.50	4.25	6.80	0.283	1.42	1.42	0.283	9.63	9.63	17.0	21.2	17
18	24.4	8.50	7.65	0.283	0.283	4.81	3.96	0.283	7.93	11.3	19.0	17.3	18
19	20.7	8.78	5.95	5.10	6.23	5.10	8.50	0.283	0.283	13.9	20.7	18.1	19
20	18.1	6.80	7.08	0.283	0.283	1.42	2.55	0.283	7.93	11.3	16.7	21.5	20
21	27.8	8.21	9.63	7.36	0.283	7.08	2.27	0.283	5.10	11.9	14.7	20.7	21
22	20.4	11.6	8.50	3.11	0.283	7.08	2.83	0.283	6.23	10.8	19.0	21.2	22
23	13.6	13.0	7.36	0.283	0.283	12.7	2.27	0.283	0.283	9.06	18.7	21.2	23
24	11.3	6.80	5.95	0.283	0.283	3.11	2.27	0.283	4.81	15.9	17.3	17.6	24
25	14.4	9.34	3.11	2.83	0.283	9.06	1.42	0.283	10.2	13.9	17.3	21.8	25
26	14.2	5.10	3.11	1.98	3.40	11.3	1.98	0.283	2.83	15.3	17.3	19.3	26
27	19.5	5.66	7.36	2.27	4.25	9.06	3.68	0.283	8.21	14.4	13.0	18.7	27
28	20.4	7.36	4.81	2.55	0.283	7.36	7.08	0.283	9.34	15.9	13.9	18.4	28
29	16.7		6.51	1.42	0.283	8.78	12.2	0.283	7.65	15.6	15.6	21.5	29
30	11.6		3.40	1.42	0.283	5.95	7.36	0.283	9.63	14.4	17.6	21.5	30
31	11.0		3.11		9.34		23.2	0.283		9.06		21.2	31
TOTAL	570.3	324.72	174.149	113.785	40.199	142.362	298.51	212.008	152.355	315.74	473.04	590.8	TOTAL
MEAN	18.4	11.6	5.62	3.79	1.30	4.75	9.63	6.84	5.08	10.2	15.8	19.1	MEAN
MAX	27.8	18.4	9.63	11.0	9.34	12.7	23.5	24.4	10.2	15.9	20.7	21.8	MAX
MIN	11.0	5.10	0.283	0.283	0.283	0.283	1.42	0.283	0.283	3.68	9.34	12.5	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.34
MAXIMUM DAILY, 27.8 ON JAN 21
MINIMUM DAILY, 0.283 ON MAR 12

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 05 20 N
LONG 115 22 25 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	49 300	JUL	25 800
FEB	28 100	AUG	18 300
MAR	15 000	SEP	13 200
APR	9 830	OCT	27 300
MAY	3 470	NOV	40 900
JUN	12 300	DEC	51 000

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

TOTAL DISCHARGE, 295 000 dam³

SPRAY RESERVOIR AT THREE SISTERS DAM - STATION NO. 05BC006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1692.62	1689.72	1688.04	1687.31	1686.95	1689.35	1696.70	1699.35	1700.39	1701.15	1700.57	1699.11	1
2	1692.55	1689.63	1688.01	1687.31	1686.98	1689.45	1696.88	1699.32	1700.42	1701.18	1700.54	1699.05	2
3	1692.43	1689.51	1687.98	1687.28	1686.95	1689.60	1697.07	1699.35	1700.45	1701.18	1700.51	1698.99	3
4	1692.37	1689.41	1687.95	1687.25	1686.95	1689.81	1697.22	1699.35	1700.48	1701.15	1700.45	1698.89	4
5	1692.28	1689.35	1687.92	1687.22	1686.98	1690.02	1697.28	1699.38	1700.54	1701.18	1700.42	1698.83	5
6	1692.19	1689.26	1687.89	1687.16	1686.98	1690.24	1697.37	1699.38	1700.60	1701.15	1700.36	1698.77	6
7	1692.10	1689.14	1687.86	1687.13	1687.01	1690.42	1697.43	1699.35	1700.63	1701.15	1700.33	1698.71	7
8	1691.94	1689.05	1687.83	1687.10	1687.01	1690.54	1697.49	1699.35	1700.66	1701.15	1700.27	1698.65	8
9	1691.85	1689.02	1687.80	1687.07	1687.01	1690.66	1697.55	1699.38	1700.69	1701.15	1700.20	1698.56	9
10	1691.73	1688.96	1687.80	1687.07	1687.07	1690.82	1697.58	1699.38	1700.75	1701.15	1700.14	1698.50	10
11	1691.64	1688.87	1687.80	1687.07	1687.07	1690.97	1697.68	1699.41	1700.78	1701.15	1700.11	1698.44	11
12	1691.52	1688.81	1687.80	1687.04	1687.10	1691.24	1697.77	1699.47	1700.81	1701.12	1700.08	1698.41	12
13	1691.46	1688.74	1687.80	1687.01	1687.13	1691.55	1697.92	1699.53	1700.84	1701.12	1700.05	1698.35	13
14	1691.34	1688.68	1687.83	1687.01	1687.16	1691.91	1698.04	1699.63	1700.88	1701.09	1700.02	1698.28	14
15	1691.24	1688.62	1687.80	1687.01	1687.19	1692.28	1698.13	1699.69	1700.91	1701.12	1699.99	1698.19	15
16	1691.15	1688.56	1687.74	1687.01	1687.25	1692.65	1698.22	1699.75	1700.94	1701.09	1699.93	1698.10	16
17	1691.03	1688.50	1687.71	1686.95	1687.31	1693.01	1698.28	1699.81	1701.00	1701.09	1699.87	1698.04	17
18	1690.91	1688.47	1687.71	1686.98	1687.40	1693.38	1698.38	1699.84	1701.00	1701.06	1699.81	1697.98	18
19	1690.79	1688.44	1687.65	1686.95	1687.46	1693.71	1698.44	1699.90	1701.03	1701.03	1699.75	1697.89	19
20	1690.70	1688.44	1687.62	1686.95	1687.59	1694.05	1698.56	1699.93	1701.09	1701.03	1699.69	1697.80	20
21	1690.54	1688.38	1687.59	1686.92	1687.68	1694.38	1698.68	1699.99	1701.09	1701.00	1699.63	1697.74	21
22	1690.42	1688.32	1687.56	1686.89	1687.83	1694.69	1698.77	1700.02	1701.12	1700.97	1699.60	1697.64	22
23	1690.39	1688.26	1687.49	1686.89	1687.98	1694.99	1698.86	1700.08	1701.12	1700.94	1699.53	1697.55	23
24	1690.33	1688.23	1687.46	1686.92	1688.17	1695.21	1698.92	1700.11	1701.09	1700.91	1699.47	1697.49	24
25	1690.27	1688.17	1687.46	1686.95	1688.35	1695.42	1699.02	1700.14	1701.09	1700.88	1699.41	1697.40	25
26	1690.18	1688.13	1687.43	1686.92	1688.56	1695.63	1699.11	1700.17	1701.12	1700.84	1699.35	1697.31	26
27	1690.06	1688.10	1687.40	1686.92	1688.77	1695.85	1699.17	1700.24	1701.15	1700.78	1699.32	1697.25	27
28	1689.96	1688.07	1687.37	1686.92	1688.90	1696.12	1699.26	1700.27	1701.12	1700.72	1699.26	1697.19	28
29	1689.87		1687.34	1686.92	1689.02	1696.36	1699.32	1700.33	1701.15	1700.69	1699.23	1697.10	29
30	1689.81		1687.31	1686.92	1689.11	1696.55	1699.35	1700.36	1701.12	1700.66	1699.17	1697.00	30
31	1689.78		1687.31		1689.23		1699.35	1700.39		1700.63		1696.91	31
MEAN	1691.14	1688.74	1687.69	1687.08	1687.62	1692.70	1698.19	1699.76	1700.87	1701.02	1699.90	1698.07	MEAN
MAX	1692.62	1689.72	1688.04	1687.31	1689.23	1696.55	1699.35	1700.39	1701.15	1701.18	1700.57	1699.11	MAX
MIN	1689.78	1688.07	1687.31	1686.89	1686.95	1689.35	1696.70	1699.32	1700.39	1700.63	1699.17	1696.91	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1694.43
MAXIMUM DAILY, 1701.18 ON OCT 2
MINIMUM DAILY, 1686.89 ON APR 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 59 00 N
LONG 115 22 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SPRAY RIVER AT BANFF - STATION NO. 05BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20B	1.76B	1.48B	1.50E	1.83	5.28	8.04	3.81	3.11	2.64	2.27	2.20B	1
2	1.19B	1.74B	1.42B	1.49E	2.05	5.62	7.56	3.78	3.03	2.67	2.02B	2.15B	2
3	1.18B	1.72B	1.39B	1.48E	2.26	5.90	7.31	3.77	2.97	2.75	1.96B	2.10B	3
4	1.17B	1.70B	1.39B	1.48E	1.90	6.21	7.28	3.77	3.28	2.68	2.25	1.94B	4
5	1.16B	1.67B	1.41B	1.48E	1.84	6.34	7.00	3.62	3.30	2.68	2.27	1.74B	5
6	1.16B	1.64B	1.43B	1.49E	1.89	6.39	6.77	3.44	3.16	2.63	2.25	1.69B	6
7	1.15B	1.60B	1.49B	1.50E	1.98	5.87	6.58	3.40	3.06	2.60	2.09B	1.67B	7
8	1.15B	1.58B	1.49B	1.52E	1.93	5.46	6.28	3.36	3.02	2.56	1.80B	1.65B	8
9	1.16B	1.56B	1.47B	1.56E	1.86	5.33	6.11	3.34	3.01	2.54	2.24B	1.65B	9
10	1.19B	1.54B	1.43B	1.58E	1.86	6.02	5.99	3.27	3.09	2.54	2.24B	1.65B	10
11	1.21B	1.52B	1.40B	1.58E	2.04	7.35	5.88	3.31	2.96	2.51	2.24B	1.69B	11
12	1.23B	1.50B	1.38B	1.58E	2.27	8.32	5.84	3.75	2.94	2.49	2.24B	1.74B	12
13	1.25B	1.49B	1.36B	1.56E	2.27	9.02	5.72	4.08	2.94	2.43	2.24B	1.76B	13
14	1.30B	1.49B	1.34B	1.54E	2.52	10.2	5.72	4.11	2.93	2.41	2.24B	1.78B	14
15	1.36B	1.49B	1.37B	1.52E	2.69	10.9	5.63	4.66	2.90	2.43	2.24B	1.80B	15
16	1.42B	1.50B	1.39B	1.50E	3.30	11.0	5.31	5.23	2.84	2.41	2.24B	1.76B	16
17	1.50B	1.55B	1.43B	1.50E	3.87	10.3	5.18	5.56	2.75	2.46	2.19B	1.74B	17
18	1.56B	1.57B	1.50B	1.55E	3.87	9.64	5.05	5.78	2.68	2.47	2.16B	1.74B	18
19	1.61B	1.59B	1.51B	1.59E	3.61	9.75	5.03	5.85	2.64	2.43	2.14B	1.70B	19
20	1.64B	1.61B	1.53B	1.62E	3.67	9.86	5.42	6.12	2.64	2.34	2.11B	1.60B	20
21	1.66B	1.61B	1.53B	1.66E	3.95	9.94	5.27	6.25	2.61	2.34	2.11B	1.45B	21
22	1.68B	1.61B	1.55B	1.68E	4.49	9.80	5.30	6.27	2.94	2.40	2.11B	1.34B	22
23	1.70B	1.61B	1.55B	1.70E	4.84	9.50	5.07	6.27	3.03	2.42	2.14B	1.29B	23
24	1.71B	1.61B	1.55B	1.72E	5.04	9.23	4.87	6.20	2.59	2.38	2.16B	1.27B	24
25	1.72B	1.60B	1.55B	1.74E	5.82	8.97	4.84	5.79	2.61	2.35	2.18B	1.25B	25
26	1.74B	1.58B	1.54B	1.80E	5.65	8.56	4.57	5.96	2.82	2.34	2.20B	1.24B	26
27	1.76B	1.56B	1.54B	1.84A	5.39	9.43	4.02	6.04	2.72	2.34	2.24B	1.21B	27
28	1.78B	1.52B	1.52E	1.94	4.72	9.08	4.06	5.86	2.68	2.32	2.26B	1.21B	28
29	1.78B		1.52E	1.80	4.41	8.64	3.87	5.36	2.67	2.34	2.27B	1.21B	29
30	1.78B		1.52E	1.74	4.27	8.30	3.72	5.31	2.63	2.16B	2.26B	1.20B	30
31	1.78B		1.52E		4.62		3.77	4.31		2.27		1.18B	31
TOTAL	44.88	44.52	45.50	48.24	102.71	246.21	173.06	147.63	86.55	76.33	65.36	49.60	TOTAL
MEAN	1.45	1.59	1.47	1.61	3.31	8.21	5.58	4.76	2.89	2.46	2.18	1.60	MEAN
MAX	1.78	1.76	1.55	1.94	5.82	11.0	8.04	6.27	3.30	2.75	2.27	2.20	MAX
MIN	1.15	1.49	1.34	1.48	1.83	5.28	3.72	3.27	2.59	2.16	1.80	1.18	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.10
MAXIMUM DAILY, 11.0 ON JUN 16
MINIMUM DAILY, 1.15B ON JAN 7
MAXIMUM INSTANTANEOUS,
11.6 AT 01:00 MST ON JUN 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 115 33 00 W
DRAINAGE AREA, 749 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 880	JUL	15 000
FEB	3 850	AUG	12 800
MAR	3 930	SEP	7 480
APR	4 170	OCT	6 590
MAY	8 870	NOV	5 650
JUN	21 300	DEC	4 290

TOTAL DISCHARGE, 97 800 dam³

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.102B	0.015	0	0.014E	0.027	0.015	0.015	---	1
2	---	---	---	---	0.090B	0.013	0	0.313E	0.022	0.015	0.013	---	2
3	---	---	---	---	0.267B	0.015	0.001	1.67 E	0.018	0.016	0.008B	---	3
4	---	---	---	---	0.295	0.012	0.001	2.76	0.018	0.014E	---	---	4
5	---	---	---	---	0.191	0.013	0.002	1.71	0.024	0.013E	---	---	5
6	---	---	---	---	0.384	0.015	0.003	0.914	0.020	0.012E	---	0.007B	6
7	---	---	---	---	0.399	0.011	0.004	0.483	0.017E	0.011E	---	---	7
8	---	---	---	---	0.403	0.008	0.003	0.244	0.016E	0.010E	0.009B	---	8
9	---	---	---	---	0.346	0.011	0.003	0.142	0.016E	0.009E	---	---	9
10	---	---	---	---	0.333	0.010	0.003	0.096	0.016E	0.010	---	---	10
11	---	---	---	---	0.331	0.008	0.003	0.067	0.016E	0.009	---	---	11
12	---	---	---	---	0.397	0.005	0.001	0.052	0.016E	0.007	---	---	12
13	---	---	---	---	1.09	0.005	0	0.038	0.016E	0.007	---	0.005B	13
14	---	---	---	---	0.612	0.006	0.003	0.033	0.017E	0.007	---	---	14
15	---	---	---	---	0.182	0.003	0.328	0.046	0.016	0.006	0.016B	---	15
16	---	---	---	0.026B	0.176	0.003	0.431	0.063	0.015	0.007	---	---	16
17	---	---	---	0.027B	0.140	0.002	0.304	0.058	0.011	0.014	---	---	17
18	---	---	---	0.026B	0.126	0.002	0.180	0.043	0.010	0.014	---	---	18
19	---	---	---	0.027B	0.097	0.003	0.134	0.035	0.009	0.014	---	---	19
20	---	---	---	0.029B	0.085	0.003	0.082	0.029	0.008E	0.019	---	0.007B	20
21	---	---	---	0.033B	0.070	0.002	0.064	0.034	0.009E	0.018	---	---	21
22	---	---	---	0.038B	0.054	0.002	0.062	0.041	0.009E	0.019	0.008B	---	22
23	---	---	---	0.044B	0.050	0.002	0.061	0.034	0.010E	0.021	---	---	23
24	---	---	---	0.041B	0.047	0.001	0.061	0.030	0.011E	0.020	---	---	24
25	---	---	---	0.049B	0.048	0.002	0.059	0.044	0.012E	0.022	---	---	25
26	---	---	---	0.063B	0.049	0.002	0.043	0.039	0.012E	0.022	---	---	26
27	---	---	---	0.087B	0.044	0.002	0.031	0.035	0.013E	0.020	---	0.006B	27
28	---	---	---	0.097B	0.035	0	0.025	0.037	0.014E	0.018	---	---	28
29	---		---	0.108B	0.028	0	0.019	0.030	0.015E	0.017	---	---	29
30	---		---	0.126B	0.019	0	0.016	0.033	0.016E	0.015	0.009B	---	30
31	---		---		0.015		0.012	0.033		0.014		---	31
TOTAL	---	---	---	---	6.505	0.176	1.939	9.200	0.449	0.435	---	---	TOTAL
MEAN	---	---	---	---	0.210	0.006	0.063	0.297	0.015	0.014	---	---	MEAN
MAX	---	---	---	---	1.09	0.015	0.431	2.76	0.027	0.022	---	---	MAX
MIN	---	---	---	---	0.015	0	0	0.014	0.008	0.006	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.76 ON AUG 4
MINIMUM DAILY, 0 ON JUN 28
MAXIMUM INSTANTANEOUS,
3.14 AT 07:15 MST ON AUG 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 46 N
LONG 117 42 20 W
DRAINAGE AREA, 33.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	168
FEB	---	AUG	795
MAR	---	SEP	38.8
APR	---	OCT	37.6
MAY	562	NOV	---
JUN	15.2	DEC	---

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.047B	0.491B	0.121	0	0.039	0.078	0.017	0.034B	---	1
2	---	---	---	0.062B	0.528B	0.109	0	1.16	0.073	0.015	0.038B	---	2
3	---	---	---	0.077B	1.05 B	0.090	0.002	3.60 E	0.051	0.012	---	---	3
4	---	---	---	0.108B	1.44 B	0.115	0.008	6.96	0.041	0.011	---	---	4
5	---	---	---	0.098B	1.41 B	0.150	0.010	4.57	0.063	0.019	---	---	5
6	---	---	---	0.034B	1.69 B	0.127	0.011	2.47	0.049	0.033	---	---	6
7	---	---	---	0.008B	1.71	0.092	0.012	1.43	0.052	0.026	---	---	7
8	---	---	---	0.008B	1.57	0.060	0.008	0.911	0.045	0.016	---	---	8
9	---	---	---	0.008B	1.40	0.053	0.005	0.672	0.082	0.011	---	---	9
10	---	---	---	0.008B	0.995	0.042	0.003	0.448	0.039	0.011	---	---	10
11	---	---	---	0.012B	0.887	0.047	0.003	0.349	0.050	0.009	---	---	11
12	---	---	---	0.015B	0.915	0.044	0.003	0.271	0.101	0.009	---	---	12
13	---	---	---	0.018B	0.996	0.035	0.002	0.191	0.073	0.008	---	---	13
14	---	---	---	0.019B	0.900	0.021	0.069	0.126	0.048	0.008	---	---	14
15	---	---	---	0.020B	0.740	0.017	1.08	0.160	0.038	0.008	---	---	15
16	---	---	---	0.022B	0.826	0.015	1.40	0.269	0.028	0.009	---	---	16
17	---	---	---	0.017B	0.857	0.012	1.11	0.285	0.023	0.018	---	---	17
18	---	---	---	0.015B	0.626	0.010	0.762	0.209	0.038	0.020	---	---	18
19	---	---	0.022B	0.015B	0.522	0.010	0.522	0.144	0.031	0.022	---	---	19
20	---	---	0.011B	0.016B	0.490	0.009	0.416	0.110	0.012	0.020	---	---	20
21	---	---	0.018B	0.067B	0.473	0.008	0.356	0.092	0.013	0.027	---	---	21
22	---	---	0.024B	0.163B	0.423	0.006	0.413	0.149	0.036	0.033	---	---	22
23	---	---	0.021B	0.178B	0.391	0.004	0.381	0.132	0.024	0.037	---	---	23
24	---	---	0.024B	0.154B	0.349	0.003	0.357	0.092	0.016	0.038B	---	---	24
25	---	---	0.020B	0.223B	0.356	0.002	0.328	0.191	0.013	0.042B	---	---	25
26	---	---	0.017B	0.328B	0.356	0.001	0.262	0.192	0.011	0.048B	---	---	26
27	---	---	0.016B	0.401B	0.376	0.001	0.197	0.160	0.012	0.050B	---	---	27
28	---	---	0.016B	0.418B	0.352	0	0.133	0.133	0.011	0.044B	---	---	28
29	---		0.015B	0.411B	0.302	0	0.099	0.107	0.016	0.038B	---	---	29
30	---		0.026B	0.451B	0.277	0	0.048	0.126	0.022	0.031B	---	---	30
31	---		0.051B		0.201		0.031	0.106		0.031B		---	31
TOTAL	---	---	---	3.421	23.899	1.204	8.031	25.854	1.187	0.721	---	---	TOTAL
MEAN	---	---	---	0.114	0.771	0.040	0.259	0.834	0.040	0.023	---	---	MEAN
MAX	---	---	---	0.451	1.71	0.150	1.40	6.96	0.101	0.050	---	---	MAX
MIN	---	---	---	0.008	0.201	0	0	0.039	0.011	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 6.96 ON AUG 4
MINIMUM DAILY, 0 ON JUN 28
MAXIMUM INSTANTANEOUS,
8.92 AT 19:30 MST ON AUG 3

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 05 N
LONG 117 50 55 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	694
FEB	---	AUG	2 230
MAR	---	SEP	103
APR	296	OCT	62.3
MAY	2 060	NOV	---
JUN	104	DEC	---

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0E	0E	2.76	12.6	17.7	0.006	0	0	0A	---	1
2	---	---	0E	0E	3.20	12.4	17.7	0.003	0	0	---	---	2
3	---	---	0E	0E	3.10	12.1	17.7	0	0	0	---	---	3
4	---	---	0E	0E	4.48	12.0	17.7	0	0	0	---	---	4
5	---	---	0E	0E	8.55	12.1	17.6	0	0	0	---	---	5
6	---	---	0E	0A	12.3	12.3	17.8	0	0	0	---	---	6
7	---	---	0E	0	14.9	12.4	18.6	0	0	0	---	---	7
8	---	---	0E	0	15.2	12.4	19.1	0	0	0	---	---	8
9	---	---	0E	0	15.3	12.3	18.9	0	0	0	---	---	9
10	---	---	0E	0	15.3	12.2	18.9	0	0	0	---	---	10
11	---	---	0E	0	15.3	12.2	18.9	0	0	0	---	---	11
12	---	---	0E	0	15.8	12.2	18.9	0	0	0	---	---	12
13	---	---	0E	0	17.4	12.4	18.9	0	0	0	---	---	13
14	---	---	0E	0	17.5	12.5	19.1	0	0	0	---	---	14
15	---	---	0E	0	17.6	12.6	19.5	0	0	0	---	---	15
16	---	---	0E	0	17.8	12.6	19.6	0	0	0	---	---	16
17	---	---	0E	0	17.9	12.8	19.5	0	0	0	---	---	17
18	---	---	0E	0	18.1	14.7	19.4	0	0	0	---	---	18
19	---	---	0E	0	18.3	16.7	19.4	0	0	0	---	---	19
20	---	---	0E	0	18.5	17.7	19.3	0	0	0	---	---	20
21	---	---	0E	0	18.7	18.7	19.3	0	0	0	---	---	21
22	---	---	0E	0	18.7	19.4	19.4	0	0	0	---	---	22
23	---	---	0E	0	18.7	19.4	19.5	0	0	0	---	---	23
24	---	---	0E	0	18.8	19.4	19.5	0	0	0	---	---	24
25	---	---	0E	0	19.0	19.4	19.5	0	0	0	---	---	25
26	---	---	0E	0	19.0	19.4	17.8	0	0	0	---	---	26
27	---	---	0E	0	18.5	19.5	12.4	0	0	0	---	---	27
28	---	---	0E	0	13.9	19.6	8.08	0	0	0	---	---	28
29	---		0E	0	13.1	19.5	4.25	0	0	0	---	---	29
30	---		0E	0	12.9	17.8	0.701	0	0	0	---	---	30
31	---		0E		12.7		0.038	0		0		---	31
TOTAL	---	---	0	0	453.29	451.3	514.669	0.009	0	0	---	---	TOTAL
MEAN	---	---	0	0	14.6	15.0	16.6	0	0	0	---	---	MEAN
MAX	---	---	0	0	19.0	19.6	19.6	0.006	0	0	---	---	MAX
MIN	---	---	0	0	2.76	12.0	0.038	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.63
MAXIMUM DAILY, 19.6 ON JUN 28
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 50 N
LONG 113 22 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	44 500
FEB	---	AUG	0.78
MAR	0	SEP	0
APR	0	OCT	0
MAY	39 200	NOV	---
JUN	39 000	DEC	---

TOTAL DISCHARGE, 123 000 dam³

ST. MARY RESERVOIR NEAR SPRING COULEE - STATION NO. 05AB025

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1099.538	1099.418	1099.524	1099.905	1100.698	1101.243	1102.512	1102.756	1102.336	1102.547	1102.183	1101.869	1
2	1099.532	1099.430	1099.533	1099.916	1100.572	1101.213	1102.582	1102.705	1102.358	1102.546	1102.157	1101.866	2
3	1099.523	1099.418	1099.542	1099.922	1100.443	1101.179	1102.606	1102.633	1102.371	1102.537	1102.122	1101.864	3
4	1099.517	1099.417	1099.555	1099.927	1100.307	1101.204	1102.613	1102.584	1102.375	1102.512	1102.097	1101.863	4
5	1099.515	1099.415	1099.570	1099.930	1100.211	1101.262	1102.586	1102.554	1102.370	1102.477	1102.074	1101.864	5
6	1099.505	1099.415	1099.580	1099.935	1100.150	1101.332	1102.590	1102.526	1102.373	1102.462	1102.060	1101.855	6
7	1099.500	1099.419	1099.593	1099.924	1100.100	1101.415	1102.606	1102.483	1102.384	1102.458	1102.039	1101.845	7
8	1099.488	1099.418	1099.602	1099.923	1100.088	1101.485	1102.680	1102.462	1102.406	1102.467	1102.026	1101.838	8
9	1099.483	1099.414	1099.613	1099.930	1100.068	1101.486	1102.752	1102.402	1102.423	1102.471	1101.999	1101.838	9
10	1099.480	1099.410	1099.632	1099.934	1100.064	1101.469	1102.814	1102.385	1102.408	1102.473	1101.979	1101.835	10
11	1099.477	1099.413	1099.645	1099.948	1100.065	1101.477	1102.876	1102.374	1102.418	1102.473	1101.955	1101.831	11
12	1099.471	1099.413	1099.665	1100.009	1100.057	1101.490	1102.936	1102.353	1102.414	1102.469	1101.932	1101.831	12
13	1099.466	1099.411	1099.680	1100.179	1100.039	1101.514	1102.979	1102.342	1102.422	1102.476	1101.910	1101.832	13
14	1099.459	1099.412	1099.712	1100.400	1100.028	1101.551	1102.965	1102.361	1102.431	1102.476	1101.897	1101.831	14
15	1099.457	1099.409	1099.738	1100.547	1100.028	1101.601	1102.913	1102.355	1102.449	1102.477	1101.877	1101.825	15
16	1099.448	1099.416	1099.764	1100.628	1100.027	1101.658	1102.916	1102.366	1102.469	1102.493A	1101.873	1101.822	16
17	1099.447	1099.413A	1099.776	1100.693	1100.051	1101.707	1102.933	1102.368	1102.491	1102.499B	1101.877	1101.820	17
18	1099.445	1099.412A	1099.787	1100.737	1100.085	1101.729	1102.948	1102.364	1102.510	1102.483A	1101.879	1101.819	18
19	1099.438	1099.417	1099.798	1100.777	1100.136	1101.787	1102.951	1102.354	1102.523	1102.469	1101.888	1101.816	19
20	1099.431	1099.418	1099.809	1100.807	1100.222	1101.831	1102.918	1102.340	1102.520	1102.469	1101.876	1101.811	20
21	1099.418	1099.439	1099.818	1100.840	1100.330	1101.863	1102.947	1102.331	1102.483	1102.458	1101.875	1101.810	21
22	1099.401	1099.456	1099.828	1100.873	1100.427	1101.906	1102.976	1102.296	1102.444	1102.447	1101.870	1101.807	22
23	1099.407	1099.469	1099.836	1100.913	1100.511	1101.938	1102.960	1102.287	1102.425	1102.429	1101.868	1101.803	23
24	1099.410	1099.473	1099.847	1100.954	1100.631	1101.998	1102.953	1102.292	1102.449	1102.392	1101.867	1101.800	24
25	1099.409	1099.479	1099.851	1100.996	1100.733	1102.058	1102.950	1102.287	1102.460	1102.364	1101.869	1101.795	25
26	1099.411	1099.488	1099.856	1101.029	1100.798	1102.139	1102.942	1102.271	1102.448	1102.350	1101.870	1101.785	26
27	1099.410	1099.499	1099.863	1101.054	1100.920	1102.213	1102.934	1102.291	1102.459	1102.327	1101.867	1101.783	27
28	1099.416	1099.516	1099.868	1101.032	1101.037	1102.270	1102.894	1102.295	1102.493	1102.297	1101.872	1101.773	28
29	1099.415		1099.878	1100.952	1101.130	1102.344	1102.880	1102.290	1102.520	1102.258	1101.875	1101.770	29
30	1099.413		1099.885	1100.807	1101.198	1102.437	1102.845	1102.300	1102.538	1102.240	1101.871	1101.767	30
31	1099.417		1099.891		1101.241		1102.809	1102.306		1102.218		1101.764	31
MEAN	1099.456	1099.433	1099.727	1100.447	1100.399	1101.693	1102.831	1102.397	1102.439	1102.435	1101.946	1101.820	MEAN
MAX	1099.539	1099.516	1099.891	1101.054	1101.241	1102.437	1102.979	1102.756	1102.538	1102.547	1102.183	1101.869	MAX
MIN	1099.401	1099.409	1099.524	1099.905	1100.027	1101.179	1102.512	1102.271	1102.336	1102.218	1101.867	1101.764	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1101.263
MAXIMUM DAILY, 1102.979 ON JUL 13
MINIMUM DAILY, 1099.401 ON JAN 22
MAXIMUM INSTANTANEOUS,
1102.996 AT 19:00 MST ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 46 N
LONG 113 06 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 0.024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.64B	2.44B	5.80B	4.19B	9.77	62.9	91.5	39.4	10.1	8.27	8.27	3.40B	1
2	1.59B	2.41B	5.92B	4.16B	11.0	54.7	93.2	37.1	9.54	8.27	7.65	3.40B	2
3	1.53B	2.38B	5.72B	4.19B	12.2	49.0	93.4	31.1	9.20	8.35	7.36	3.40B	3
4	1.50B	2.35B	5.66B	4.33B	13.8	50.4	92.6	27.3	9.20	8.16	7.16	3.40B	4
5	1.47B	2.32B	5.61B	4.39B	12.9	55.8	86.4	25.1	9.32	8.16	6.91	3.45B	5
6	1.44B	2.29B	5.44B	4.33B	12.8	61.7	77.6	23.0	9.09	8.27	6.71	3.40B	6
7	1.44B	2.27B	5.38B	4.39B	13.1	66.5	68.0	21.5	9.20	8.27	6.37	3.26B	7
8	1.44B	2.24B	5.15B	4.30B	15.2	66.0	61.7	20.6	9.00	8.27	6.00	3.26B	8
9	1.47B	2.24B	5.10B	4.25B	15.8	62.3	57.5	20.3	8.78	8.04	5.78	3.26B	9
10	1.50B	2.21B	5.15B	4.19B	16.1	57.2	54.7	20.0	8.89	7.76	5.61	3.26B	10
11	1.53B	2.21B	5.38B	4.30B	15.9	58.0	52.7	19.6	8.89	7.65	5.04	3.11B	11
12	1.53B	2.27B	5.21B	4.53B	16.4	62.6	52.4	19.3	8.89	7.48	4.98B	3.26B	12
13	1.53B	2.35B	4.96B	5.38B	16.1	70.2	51.3	19.1	8.66	7.36	4.90B	3.26B	13
14	1.56B	2.46B	4.81B	6.37B	17.3	79.6	51.3	18.4	8.35	7.28	4.87B	3.11B	14
15	1.56B	2.63B	4.98B	7.79B	20.5	83.5	52.4	17.5	8.04	7.08	4.81B	3.11B	15
16	1.59B	2.86B	4.76B	8.78	23.6	87.5	52.7	17.0	8.27	7.08	4.67B	3.11B	16
17	1.61B	3.14B	4.53B	8.27	28.6	91.7	49.8	16.1	7.96	7.48	4.53B	3.11B	17
18	1.64B	3.54B	4.47B	7.65	34.8	89.8	45.6	15.2	7.65	7.65	4.47B	3.11B	18
19	1.64B	4.05B	4.39B	7.36	41.1	85.5	42.5	14.9	7.48	8.04	4.42B	2.97B	19
20	1.67B	4.53B	4.28B	7.36	46.4	82.4	40.2	14.3	7.36	8.35	4.13B	2.97B	20
21	1.67B	4.87B	4.19B	8.27	49.8	81.3	39.6	13.9	7.16	8.47	3.96B	2.97B	21
22	1.70B	5.15B	4.22B	10.0	53.2	80.4	40.5	13.5	7.16	8.47	3.96B	3.11B	22
23	1.70B	5.38B	4.16B	11.7	58.9	81.6	46.4	13.4	7.16	8.66	3.96B	3.11B	23
24	1.84B	5.61B	4.25B	12.0	67.1	79.3	47.9	13.4	7.08	8.47	3.91B	3.11B	24
25	2.07B	5.66B	4.47B	11.0	73.6	73.9	46.2	12.8	7.08	8.58	3.82B	3.11B	25
26	2.32B	5.64B	4.81B	10.4	84.1	73.3	46.4	12.8	7.08	8.78	3.82B	3.11B	26
27	2.63B	5.61B	4.76B	11.0	91.7	75.6	49.3	12.4	7.36	9.43	3.68B	3.11B	27
28	2.58B	5.66B	4.59B	11.8	101	72.5	49.0	11.9	8.16	9.20	3.68B	3.11B	28
29	2.52B		4.33B	12.3	94.3	72.2	48.1	11.3	8.35	9.54	3.54B	2.97B	29
30	2.49B		4.28B	12.0	86.1	84.1	47.6	11.0	8.47	9.00	3.40B	2.97B	30
31	2.46B		4.22B		73.6		43.0	10.7		8.78		2.97B	31
TOTAL	54.86	96.77	150.98	220.98	1 224.77	2 149.5	1 771.5	573.9	248.93	254.65	152.37	98.26	TOTAL
MEAN	1.77	3.46	4.87	7.37	39.5	71.7	57.1	18.5	8.30	8.21	5.08	3.17	MEAN
MAX	2.63	5.66	5.92	12.3	101	91.7	93.4	39.4	10.1	9.54	8.27	3.45	MAX
MIN	1.44	2.21	4.16	4.16	9.77	49.0	39.6	10.7	7.08	7.08	3.40	2.97	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.2
MAXIMUM DAILY, 101 ON MAY 28
MINIMUM DAILY, 1.44B ON JAN 6
MAXIMUM INSTANTANEOUS,
102 AT 02:00 MDT ON MAY 28

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 10 N
LONG 113 18 50 W
DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 740	JUL	153 000
FEB	8 360	AUG	49 000
MAR	13 000	SEP	21 500
APR	19 100	OCT	22 000
MAY	106 000	NOV	13 200
JUN	186 000	DEC	8 490

TOTAL DISCHARGE, 605 000 dam³

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.40B	2.54B	2.10B	7.07B	5.46	53.3	36.0	16.2	3.04	7.85	18.0	5.60B	1
2	2.40B	2.54B	2.22B	7.34B	5.21	53.0	51.8	13.8	2.71	10.7	17.9	5.30B	2
3	2.40B	2.53B	2.30B	8.78B	5.06	47.8	69.3	8.44	2.70	11.8	17.8	5.00B	3
4	2.41B	2.51B	2.36B	9.10B	5.00	47.8	66.3	6.08	2.78	11.3	17.9	4.90B	4
5	2.42B	2.50B	2.40B	11.7 B	4.92	52.2	63.9	5.68	2.78	8.40	18.3	4.75B	5
6	2.43B	2.50B	2.50B	13.4 B	4.74	52.1	50.0	3.70	2.73	3.12	16.2	4.65B	6
7	2.43B	2.48B	2.56B	14.6 B	4.73	52.1	31.9	4.18	2.74	2.85	14.8	4.60B	7
8	2.43B	2.50B	2.63B	15.4 B	5.16	39.3	11.0	4.16	2.56	2.71	14.3 B	4.70B	8
9	2.44B	2.50B	2.70B	16.6 B	5.08	69.8	4.44	4.21	2.44	3.93	14.0 B	5.30B	9
10	2.46B	2.55B	2.80B	19.3 B	5.00	67.6	4.18	4.62	2.42	11.0	13.9 B	5.90B	10
11	2.50B	2.64B	2.85B	21.0 B	4.63	57.5	4.39	3.79	2.58	11.4	14.0 B	6.60B	11
12	2.55B	2.77B	2.97B	25.2 B	4.25	57.5	4.36	3.44	2.62	11.3	14.2 B	6.55B	12
13	2.68B	2.88B	3.10B	30.5 B	4.16	56.0	10.1	3.50	3.06	11.3	14.3 B	6.40B	13
14	2.70B	2.82B	3.20B	41.3 B	4.09	54.8	27.0	3.56	2.99	11.3	15.0 B	6.16B	14
15	2.76B	2.82B	3.45B	21.2	4.21	32.4	22.3	3.78	2.83	11.3	16.0 B	5.90B	15
16	2.80B	2.73B	3.55B	13.4	4.20	32.1	9.01	3.85	2.83	11.2	9.70B	5.70B	16
17	2.80B	2.61B	3.60B	10.1	4.33	41.6	15.7	2.99	2.81	11.0	9.10B	5.45B	17
18	2.78B	2.45B	3.64B	8.58	4.35	40.3	19.0	2.88	2.83	11.1	8.75B	5.25B	18
19	2.77B	2.32B	3.60B	8.38	4.64	27.7	18.0	2.74	2.98	11.0	8.50B	5.10B	19
20	2.76B	2.28B	3.55B	7.62	4.48	27.6	18.8	2.63	3.01	8.12	8.35B	5.05B	20
21	2.74B	2.25B	3.45B	6.72	4.28	26.2	7.46	2.68	3.00	10.8	8.25B	5.10B	21
22	2.73B	2.24B	3.42B	6.47	4.39	11.9	3.45	2.85	2.80	15.4	8.30B	5.20B	22
23	2.72B	2.20B	3.76B	7.47	4.32	6.61	8.09	3.05	2.82	17.0	8.50B	5.35B	23
24	2.70B	2.18B	4.00B	7.11	4.50	3.52	16.0	3.13	2.86	17.4	8.60B	5.60B	24
25	2.70B	2.13B	3.96B	6.78	4.81	3.33	19.5	2.98	2.84	17.2	8.80B	5.80B	25
26	2.68B	2.10B	3.79B	6.37	5.38	3.36	22.1	3.38	2.85	17.5	8.00B	5.90B	26
27	2.67B	2.06B	4.51B	6.19	5.89	3.51	36.0	3.51	3.50	17.8	7.20B	5.95B	27
28	2.66B	2.10B	4.93B	6.37	29.5	3.79	34.5	3.11	4.30	17.7	6.70B	5.95B	28
29	2.64B		5.02B	6.48	52.6	3.98	15.2	3.02	4.34	17.7	6.30B	5.90B	29
30	2.56B		5.71B	5.64	52.7	5.32	25.4	3.08	4.57	17.6	6.10B	5.80B	30
31	2.54B		6.47B		53.0		17.0	3.28		17.8		5.65B	31
TOTAL	80.62	68.65	107.18	376.25	315.07	886.02	742.68	134.90	89.32	366.58	357.75	171.06	TOTAL
MEAN	2.60	2.45	3.46	12.5	10.2	29.5	24.0	4.35	2.98	11.8	11.9	5.52	MEAN
MAX	2.80	2.82	6.47	41.3	53.0	69.8	69.8	16.2	4.57	17.8	18.3	6.60	MAX
MIN	2.40	2.06	2.10	5.64	4.09	3.33	3.45	2.63	2.42	2.71	6.10	4.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.1
MAXIMUM DAILY, 69.8 ON JUN 9
MINIMUM DAILY, 2.06B ON FEB 27
MAXIMUM INSTANTANEOUS,
72.8 AT 10:30 MST ON JUN 10

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 24 N
LONG 112 50 38 W
DRAINAGE AREA, 3 520 km²

B - ICE CONDITIONS

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 970	JUL	64 200
FEB	5 930	AUG	11 700
MAR	9 260	SEP	7 720
APR	32 500	OCT	31 700
MAY	27 200	NOV	30 900
JUN	76 600	DEC	14 800

TOTAL DISCHARGE, 319 000 dam³

STEELE LAKE NEAR JARVIE - STATION NO. 07BC005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	657.276E	656.971	656.883	657.034	657.180	657.020	---	---	1
2	---	---	---	---	657.276E	656.966	656.887	657.040	657.180	---	---	---	2
3	---	---	---	---	657.276	656.966	656.897	657.029	657.175	657.021	---	---	3
4	---	---	---	---	657.276	656.961	656.902	657.055	657.166	---	---	---	4
5	---	---	---	---	657.271	656.956	656.906	657.065	657.161	657.021	---	---	5
6	---	---	---	---	657.166	656.953	656.856	657.076	---	---	---	---	6
7	---	---	---	---	657.153	656.951	656.905	657.096	---	657.021	---	---	7
8	---	---	---	---	657.139	656.946	656.900	657.106	657.156	---	---	---	8
9	---	---	---	---	657.136	656.936	656.900	657.136	---	657.021	---	---	9
10	---	---	---	---	657.136	656.923	656.899	657.153	657.152	---	---	---	10
11	---	---	---	---	657.131	656.921	656.899	657.169	---	657.016	---	---	11
12	---	---	---	---	657.131	656.915	656.899	657.182	657.142	---	---	---	12
13	---	---	---	---	657.126	656.915	656.898	657.192	---	657.011	---	---	13
14	---	---	---	---	657.116	656.914	656.898	657.197	657.132	---	---	---	14
15	---	---	---	---	657.106	656.914	656.902	657.207	---	657.006	---	---	15
16	---	---	---	---	657.101	656.914	656.907	657.207	657.123	---	---	---	16
17	---	---	---	657.223	657.066	656.908	656.917	657.207	---	657.001	---	---	17
18	---	---	---	---	657.056	656.908	656.921	657.213	657.113	---	---	---	18
19	---	---	---	---	657.049	656.902	656.924	657.218	---	657.001	---	---	19
20	---	---	---	---	657.046	656.897	656.930	657.223	657.108	---	---	---	20
21	---	---	---	---	657.036	656.897	656.940	657.223	---	656.996	---	---	21
22	---	---	---	---	657.031	656.891	656.950	657.228	657.104	---	---	---	22
23	---	---	---	---	657.031	656.886	656.959	657.234	---	656.991	---	---	23
24	---	---	---	---	657.031	656.876	656.969	657.234	657.094	---	---	---	24
25	---	---	---	---	657.024	656.870	656.973	657.229	---	656.991	---	---	25
26	---	---	---	657.289	657.016	656.870	656.978	657.229	657.089	---	---	---	26
27	---	---	---	---	657.006	656.869	656.983	657.224	---	656.986	---	---	27
28	---	---	---	---	656.999	656.874	656.987	657.214	657.085	---	---	---	28
29	---		---	---	656.991	656.874	656.997	657.203	---	656.986	---	---	29
30	---		---	---	656.976	656.878	657.002	657.190	657.080	---	---	---	30
31	---		---		656.971		657.006	657.180		656.986		---	31
MEAN	---	---	---	---	657.101	656.914	656.928	657.168	---	---	---	---	MEAN
MAX	---	---	---	---	657.276	656.971	657.006	657.234	---	---	---	---	MAX
MIN	---	---	---	---	656.971	656.869	656.856	657.029	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 38 50 N
LONG 113 47 45 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	0.007B	9.67B	11.4	0.735	0.049	0.078E	0.051E	---	---	1
2	---	---	0.003B	0.007B	16.5 B	9.47	0.674	0.053	0.080E	0.052E	---	---	2
3	---	---	0.004B	0.007B	20.7 B	7.72	0.630	0.065	0.072E	0.052E	---	---	3
4	---	---	0.004B	0.007B	21.5	6.36	0.589	0.066	0.066E	0.053E	---	---	4
5	---	---	0.004B	0.007B	24.5	5.10	0.559	0.069	0.064E	0.057A	---	---	5
6	---	---	0.005B	0.008B	46.2	4.01	0.546	0.065	0.068E	0.078	---	---	6
7	---	---	0.005B	0.008B	55.4	3.42	0.495	0.065	0.068E	0.078	---	---	7
8	---	---	0.005B	0.009B	46.4	3.00	0.438	0.060	0.060E	0.079	---	---	8
9	---	---	0.006B	0.010B	33.6	2.66	0.388	0.059	0.056E	0.079	---	---	9
10	---	---	0.006B	0.010B	31.4	2.44	0.344	0.058	0.052E	0.081	---	---	10
11	---	---	0.007B	0.011B	33.7	2.27	0.313	0.056	0.050E	0.085	---	---	11
12	---	---	0.007B	0.011B	36.5	2.32	0.284	0.051	0.051E	0.086	---	---	12
13	---	---	0.007B	0.011B	37.3	2.13	0.254	0.056	0.052E	0.086	---	---	13
14	---	---	0.007B	0.011B	40.7	1.97	0.224	0.073	0.060E	0.084	---	---	14
15	---	---	0.007B	0.011B	43.5	1.90	0.196	0.076	0.073E	0.085	---	---	15
16	---	---	0.006B	0.010B	45.9	1.86	0.168	0.074	0.080E	0.099	---	---	16
17	---	---	0.006B	0.010B	47.5	1.82	0.147	0.068	0.078E	0.113	---	---	17
18	---	---	0.007B	0.010B	50.0	1.75	0.125	0.067	0.070E	0.110	---	---	18
19	---	---	0.007B	0.010B	49.6	1.71	0.105	0.065	0.066E	0.127	---	---	19
20	---	---	0.008B	0.012B	48.0	1.69	0.090	0.061	0.063E	0.148	---	---	20
21	---	---	0.009B	0.020B	46.2	1.63	0.084	0.057	0.060E	0.137	---	---	21
22	---	---	0.009B	0.034B	43.8	1.58	0.080	0.057	0.057E	0.129	---	---	22
23	---	0.003B	0.009B	0.044B	40.8	1.48	0.073	0.060	0.055E	0.129	---	---	23
24	---	0.003B	0.009B	0.054B	37.7	1.38	0.254	0.054A	0.054E	0.122	---	---	24
25	---	0.003B	0.009B	0.062B	34.2	1.27	0.056	0.052E	0.053E	0.121	---	---	25
26	---	0.003B	0.009B	0.072B	30.4	1.15	0.055	0.050E	0.052E	0.121A	---	---	26
27	---	0.003B	0.009B	0.082B	26.2	1.04	0.056	0.048E	0.051E	0.120E	---	---	27
28	---	0.003B	0.008B	0.133B	22.5	0.942	0.050	0.048E	0.051E	0.118E	---	---	28
29	---		0.008B	0.469B	19.3	0.871	0.042	0.048E	0.051E	0.116E	---	---	29
30	---		0.007B	0.517B	16.4	0.804	0.042	0.048E	0.052E	0.114E	---	---	30
31	---		0.007B		13.8		0.044	0.060E		0.110E		---	31
TOTAL	---	---	0.207	1.674	1 079.97	87.147	7.950	1.838	1.835	3.016	---	---	TOTAL
MEAN	---	---	0.007	0.056	34.8	2.90	0.256	0.059	0.061	0.097	---	---	MEAN
MAX	---	---	0.009	0.517	55.4	11.4	0.735	0.076	0.080	0.148	---	---	MAX
MIN	---	---	0.003	0.007	9.67	0.804	0.042	0.048	0.050	0.051	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.83
MAXIMUM DAILY, 55.4 ON MAY 7
MINIMUM DAILY, 0.003B ON MAR 1
MAXIMUM INSTANTANEOUS,
57.0 AT 19:30 MST ON MAY 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 34 00 N
LONG 117 12 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	687
FEB	---	AUG	159
MAR	17.9	SEP	159
APR	145	OCT	261
MAY	93 300	NOV	---
JUN	7 530	DEC	---

TOTAL DISCHARGE, 102 000 dam³

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.280B	0.190B	0.170B	0.220B	20.0 B	8.47	0.834	2.12	1.60	1.91	1.25 B	0.470B	1
2	0.280B	0.190B	0.170B	0.220B	19.5 B	7.73	0.908	2.10	1.75	1.88	1.25 B	0.460B	2
3	0.270B	0.180B	0.170B	0.210B	19.0 B	7.27	1.44	2.10	1.75	1.74	1.20 B	0.450B	3
4	0.260B	0.180B	0.170B	0.210B	18.5 B	6.97	1.78	2.38	1.74	1.67	1.20 B	0.440B	4
5	0.260B	0.170B	0.170B	0.210B	18.2 B	7.45	1.91	2.66	1.54	1.60	1.15 B	0.430B	5
6	0.250B	0.170B	0.170B	0.210B	19.0 B	7.59	1.91	2.78	1.32	1.55	1.15 B	0.420B	6
7	0.250B	0.170B	0.170B	0.210B	21.7 B	7.18	1.70	3.11	1.27	1.48	1.10 B	0.410B	7
8	0.240B	0.160B	0.180B	0.210B	24.2 B	6.87	1.39	3.81	1.07	1.48	1.10 B	0.400B	8
9	0.240B	0.160B	0.180B	0.220B	23.7	6.38	1.15	3.93	0.995	1.41	1.05 B	0.390B	9
10	0.240B	0.160B	0.190B	0.220B	25.0	6.04	0.887	3.40	1.26	1.35	1.00 B	0.390B	10
11	0.240B	0.160B	0.190B	0.220B	25.2	5.78	0.653	3.10	2.24	1.33	0.950B	0.390B	11
12	0.240B	0.160B	0.200B	0.220B	25.1	5.48	0.511	3.21	3.31	1.27	0.900B	0.380B	12
13	0.232B	0.160B	0.200B	0.230B	24.9	5.13	0.491	3.12	3.66	1.34	0.870B	0.380B	13
14	0.230B	0.160B	0.210B	0.240B	24.1	4.62	0.643	3.14	3.74	1.28	0.850B	0.380B	14
15	0.230B	0.170B	0.210B	0.240B	23.0 E	4.52	0.559	2.93	3.62	1.23	0.820B	0.380B	15
16	0.230B	0.170B	0.220B	0.250B	21.5 E	4.02	0.492	2.95	3.57	1.18	0.800B	0.370B	16
17	0.220B	0.170B	0.220B	0.270B	20.0 E	3.88	0.489	2.73	3.49	1.15E	0.770B	0.370B	17
18	0.220B	0.178B	0.220B	0.290B	19.0 E	3.57	0.537	2.64	3.38	1.15E	0.730B	0.370B	18
19	0.220B	0.180B	0.230B	0.350B	18.3 A	3.28	0.694	2.69	3.12	1.10B	0.700B	0.370B	19
20	0.220B	0.180B	0.230B	0.450B	18.6	3.08	0.913	2.54	2.94	1.05B	0.670B	0.370B	20
21	0.210B	0.190B	0.240B	0.620B	18.2	2.83	1.10	2.35	2.80	1.00B	0.650B	0.370B	21
22	0.210B	0.190B	0.240B	0.780B	16.9	2.56	1.49	2.13	2.69	1.00B	0.620B	0.370B	22
23	0.210B	0.190B	0.240B	0.915B	15.8	2.24	2.41	1.91	2.52	1.05B	0.600B	0.370B	23
24	0.210B	0.180B	0.240B	1.70 B	14.9	1.96	2.97	1.77	2.40	1.10B	0.570B	0.370B	24
25	0.200B	0.180B	0.230B	3.30 B	13.7	1.75	3.33	1.70	2.18	1.15B	0.550B	0.370B	25
26	0.200B	0.170B	0.225B	6.00 B	12.3	1.56	3.27	1.48	2.11	1.20B	0.530B	0.370B	26
27	0.200B	0.170B	0.220B	11.0 B	11.4	1.38	2.98	1.35	2.11	1.25B	0.520B	0.370B	27
28	0.200B	0.170B	0.220B	18.5 B	10.8	1.22	2.70	1.34	2.09	1.25B	0.500B	0.370B	28
29	0.200B		0.220B	22.0 B	10.0	1.00	2.60	1.33	1.91	1.25B	0.490B	0.370B	29
30	0.200B		0.220B	20.4 B	9.33	0.842	2.50	1.28	2.00	1.25B	0.480B	0.370B	30
31	0.190B		0.220B		9.04		2.30	1.40		1.27B		0.370B	31
TOTAL	7.082	4.858	6.385	90.115	570.87	132.652	47.541	75.48	70.165	40.92	25.020	12.090	TOTAL
MEAN	0.228	0.174	0.206	3.00	18.4	4.42	1.53	2.43	2.34	1.32	0.834	0.390	MEAN
MAX	0.280	0.190	0.240	22.0	25.2	8.47	3.33	3.93	3.74	1.91	1.25	0.470	MAX
MIN	0.190	0.160	0.170	0.210	9.04	0.842	0.489	1.28	0.995	1.00	0.480	0.370	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.97
MAXIMUM DAILY, 25.2 ON MAY 11
MINIMUM DAILY, 0.160B ON FEB 8
MAXIMUM INSTANTANEOUS,
28.4B AT 09:25 MST ON MAY 8

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 00 17 N
LONG 111 24 53 W
DRAINAGE AREA, 1 370 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	612	JUL	4 110
FEB	420	AUG	6 530
MAR	552	SEP	6 060
APR	7 790	OCT	3 540
MAY	49 300	NOV	2 160
JUN	11 500	DEC	1 040

TOTAL DISCHARGE, 93 600 dam³

STINSON CREEK NEAR PEKISKO - STATION NO. 05BL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.027B	0.600E	1.12	2.49	0.159	0.083	0.171	---	---	1
2	---	---	0.001B	0.026B	0.550E	0.900	1.39	0.149	0.080	0.155	---	---	2
3	---	---	0.001B	0.021B	0.500E	0.792	1.04	0.140	0.078	0.139	---	---	3
4	---	---	0.001B	0.021B	0.459A	0.714	0.811	0.140	0.088	0.130	---	---	4
5	---	---	0.001B	0.024B	0.373	0.780	0.721	0.134	0.104	0.126	---	---	5
6	---	---	0.002B	0.040B	0.321	2.43	0.773	0.134	0.093	0.119	---	---	6
7	---	---	0.004B	0.057B	0.310	3.85	0.642	0.129	0.092	0.114	---	---	7
8	---	---	0.006B	0.059B	0.322	4.39	0.562	0.121	0.085	0.106	---	---	8
9	---	---	0.010B	0.061B	0.308	2.48	0.544	0.122	0.081	0.103	---	---	9
10	---	---	0.015B	0.124B	0.300	1.89	0.498	0.123	0.084	0.103	---	---	10
11	---	---	0.014B	0.660B	0.288	1.37	0.448	0.121	0.088	0.104	---	---	11
12	---	---	0.013B	1.30 B	0.304	1.11	0.397	0.112	0.087	0.104	---	---	12
13	---	---	0.012B	2.13 B	0.341	1.01	0.378	0.110	0.099	0.105	---	---	13
14	---	---	0.011B	2.55 B	0.364	0.884	0.403	0.107	0.100	0.104	---	---	14
15	---	---	0.010B	1.04 B	0.360	0.807	0.389	0.101	0.117	0.104	---	---	15
16	---	---	0.010B	0.788B	0.366	0.730	0.342	0.111	0.123	0.104	---	---	16
17	---	---	0.010B	0.822B	0.386	0.788	0.316	0.110	0.120	0.102	---	---	17
18	---	---	0.010B	1.15 B	0.374	0.673	0.298	0.106	0.115	0.111	---	---	18
19	---	---	0.010B	1.21 B	0.439	0.580	0.277	0.102	0.109	0.112	---	---	19
20	---	---	0.010B	1.29 B	0.484	0.540	0.263	0.098	0.103	0.112	---	---	20
21	---	---	0.010B	1.71 B	0.472	0.577	0.257	0.098	0.100	0.115	---	---	21
22	---	---	0.010B	1.36 B	0.427	0.525	0.247	0.096	0.095	0.120	---	---	22
23	---	---	0.011B	0.702B	0.392	1.18	0.229	0.095	0.093	0.116	---	---	23
24	---	---	0.012B	0.680B	0.376	1.16	0.206	0.097	0.089	0.114	---	---	24
25	---	---	0.013B	0.661B	0.368	1.02	0.193	0.101	0.086	0.111	---	---	25
26	---	---	0.014B	0.652B	0.402	0.961	0.210	0.130	0.119	0.105	---	---	26
27	---	---	0.015B	0.723B	0.663	0.911	0.217	0.127	0.196	0.104	---	---	27
28	---	---	0.020B	0.879B	0.791	2.01	0.207	0.113	0.209	0.106A	---	---	28
29	---		0.025B	0.800B	1.00	2.24	0.186	0.097	0.196	0.105E	---	---	29
30	---		0.030B	0.700B	1.32	4.76	0.178	0.091	0.188	0.105E	---	---	30
31	---		0.028B		1.31		0.167	0.089		0.105E		---	31
TOTAL	---	---	0.340	22.267	15.269	43.182	15.275	3.563	3.300	3.534	---	---	TOTAL
MEAN	---	---	0.011	0.742	0.493	1.44	0.493	0.115	0.110	0.114	---	---	MEAN
MAX	---	---	0.030	2.55	1.32	4.76	2.49	0.159	0.209	0.171	---	---	MAX
MIN	---	---	0.001	0.021	0.288	0.525	0.167	0.089	0.078	0.102	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.436
MAXIMUM DAILY, 4.76 ON JUN 30
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.35 AT 14:39 MST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 114 09 55 W
DRAINAGE AREA, 264 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 320
FEB	---	AUG	308
MAR	29.4	SEP	285
APR	1 920	OCT	305
MAY	1 320	NOV	---
JUN	3 730	DEC	---

TOTAL DISCHARGE, 9 220 dam³

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.458B	0.147	0.416	2.53	1.14	0.749	0.990	0.255	---	1
2	---	---	0 B	0.340B	0.130	0.269	2.37	1.39	0.627	0.855	0.256A	---	2
3	---	---	0.030B	0.260B	0.111	0.583	1.62	0.937	0.378	0.603	---	---	3
4	---	---	0.026B	0.226B	0.091	0.608	1.08	0.598	0.318	0.510	---	---	4
5	---	---	0.022B	0.200B	0.079	0.599	0.551	0.546	0.375	0.507	---	---	5
6	---	---	0.024B	0.189B	0.076	0.558	0.422	0.420	0.461	0.795	---	---	6
7	---	---	0.030B	0.174B	0.087	0.609	0.367	0.491	0.470	1.04	---	---	7
8	---	---	0.040B	0.170B	0.227	0.506	0.739	0.633	0.347	1.03	---	---	8
9	---	---	0.054B	0.400B	0.270	0.401	1.31	0.897	0.259	1.24	---	---	9
10	---	---	0.061B	1.10 B	0.265	0.296	1.80	1.07	0.292	1.51	---	---	10
11	---	---	0.084B	2.60 B	0.235	0.194	1.77	1.43	0.371	1.36	---	---	11
12	---	---	0.108B	3.95 B	0.186	0.236	1.72	1.26	0.434	1.13	---	---	12
13	---	---	0.136B	5.70 B	0.148	0.211	1.43	1.06	0.593	0.943	---	---	13
14	---	---	0.180B	7.25	0.136	0.264	1.36	1.08	0.630	0.875	---	---	14
15	---	---	0.218B	4.21	0.143	0.225	1.65	0.779	0.656	0.847	---	---	15
16	---	---	0.244B	1.56	0.142	0.191	2.18	0.619	0.812	0.749	---	---	16
17	---	---	0.160B	1.08	0.144	0.143	2.97	0.516	1.07	0.564	---	---	17
18	---	---	0.113B	0.842	0.148	0.141	2.75	0.481	0.688	0.447	---	---	18
19	---	---	0.088B	0.604	0.136	0.407	2.42	0.241	0.502	0.354	---	---	19
20	---	---	0.070B	0.573	0.129	0.942	1.87	0.540	0.484	0.299	---	---	20
21	---	---	0.082B	0.615	0.122	1.61	1.49	0.734	0.396	0.297	---	---	21
22	---	---	0.102B	0.562	0.124	1.63	1.11	0.696	0.430	0.372	---	---	22
23	---	---	0.114B	0.509	0.124	1.83	0.669	0.951	0.644	0.473	---	---	23
24	---	---	0.123B	0.472	0.122	2.02	1.01	1.12	0.515	0.467	---	---	24
25	---	---	0.148B	0.404	0.116	1.99	1.14	1.22	0.527	0.459	---	---	25
26	---	---	0.170B	0.347	0.168	1.65	1.77	1.49	0.648	0.413	---	---	26
27	---	---	0.200B	0.296	0.690	1.86	2.52	1.40	0.965	0.292	---	---	27
28	---	---	0.264B	0.255	0.717	2.02	2.13	1.41	1.13	0.471	---	---	28
29	---		0.340B	0.197	0.581	2.26	1.50	1.16	0.959	0.277	---	---	29
30	---		0.667B	0.161	0.580	2.95	0.895	1.07	1.07	0.216	---	---	30
31	---		0.612B		0.504		0.696	0.932		0.234		---	31
TOTAL	---	---	4.502	35.708	6.798	27.619	47.839	28.391	17.800	20.619	---	---	TOTAL
MEAN	---	---	0.145	1.19	0.219	0.921	1.54	0.916	0.593	0.665	---	---	MEAN
MAX	---	---	0.667	7.25	0.717	2.95	2.97	1.49	1.13	1.51	---	---	MAX
MIN	---	---	0	0.161	0.076	0.141	0.367	0.241	0.259	0.216	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.773
MAXIMUM DAILY, 7.25 ON APR 14
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.04 AT 19:50 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 112 30 29 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 130
FEB	---	AUG	2 450
MAR	389	SEP	1 540
APR	3 880	OCT	1 780
MAY	587	NOV	---
JUN	2 390	DEC	---

TOTAL DISCHARGE, 16 300 dam³

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.015B	0.390	0.083E	0.011	0.074	0.053	0.010E	---	---	1
2	---	---	0.002B	0.015B	0.332	0.080E	0.012	0.070	0.073	0.010E	---	---	2
3	---	---	0.002B	0.015B	0.269	0.079E	0.012	0.075	0.016	0.010E	---	---	3
4	---	---	0.003B	0.020B	0.201	0.065E	0.034	0.168	0.020	0.010E	---	---	4
5	---	---	0.003B	0.035B	0.425	0.060E	0.017	0.145	0.018	0.010E	---	---	5
6	---	---	0.004B	0.070B	0.373	0.055E	0.022	0.121	0.015	0.005E	---	---	6
7	---	---	0.005B	0.120B	0.294	0.053E	0.008	0.153	0.005	0.005E	---	---	7
8	---	---	0.005B	0.200B	0.259	0.050E	0.003	0.159	0.014	0.005E	---	---	8
9	---	---	0.006B	0.250B	0.174	0.045E	0.002E	0.276	0.055	0.005E	---	---	9
10	---	---	0.006B	0.300B	0.157	0.043A	0.001E	0.164	0.082A	0.005E	---	---	10
11	---	---	0.007B	0.370B	0.276	0.032	0.001E	0.118	0.035E	0.003E	---	---	11
12	---	---	0.008B	0.500B	0.200	0.027	0.001E	0.083	0.029E	0.003E	---	---	12
13	---	---	0.008B	0.590B	0.127	0.023	0.001E	0.094	0.023E	0.003E	---	---	13
14	---	---	0.009B	0.700B	0.085	0.018	0.002E	0.353	0.023E	0.003E	---	---	14
15	---	---	0.010B	0.820B	0.150	0.276	0.003	0.469	0.024E	0.003E	---	---	15
16	---	---	0.010B	0.980B	0.197	0.113	0.713	0.409	0.025E	0.003E	---	---	16
17	---	---	0.010B	1.25 B	0.125	0.055	0.819	0.189	0.030E	0.003E	---	---	17
18	---	---	0.010B	1.70 B	0.088	0.025	0.738	0.126	0.035E	0.003E	---	---	18
19	---	---	0.011B	2.00 B	0.109	0.018	0.510	0.027	0.035E	0.001B	---	---	19
20	---	---	0.011B	2.20 B	0.130	0.014	0.290	0.004	0.025E	0.001B	---	---	20
21	---	---	0.011B	2.50 B	0.102	0.011	0.181	0.001	0.020E	0.001B	---	---	21
22	---	---	0.012B	3.03 B	0.076	0.027	0.247	0.001E	0.018E	0.001B	---	---	22
23	---	---	0.012B	2.95 B	0.096	0.013	0.449	0.001E	0.017E	0.001B	---	---	23
24	---	---	0.012B	2.75 B	0.078A	0.008	0.342	0.001	0.015E	0.001B	---	---	24
25	---	---	0.013B	2.63 B	0.080E	0.109	0.216	0.239	0.015E	0.001B	---	---	25
26	---	---	0.013B	1.34 B	0.090E	0.048	0.274	0.035	0.013E	0.001B	---	---	26
27	---	---	0.013B	1.20 B	0.080E	0.011	0.331	0.010	0.012E	0.001B	---	---	27
28	---	---	0.014B	1.00 B	0.078E	0.007	0.269	0.289	0.010E	0.001B	---	---	28
29	---		0.014B	0.908B	0.075E	0.002	0.213	0.135	0.010E	0.001B	---	---	29
30	---		0.015B	0.541	0.079E	0.001	0.147	0.048	0.010E	0.001B	---	---	30
31	---		0.015B		0.085E		0.088	0.020		0.001B		---	31
TOTAL	---	---	0.275	30.999	5.280	1.438	5.917	4.057	0.775	0.112	---	---	TOTAL
MEAN	---	---	0.009	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	MEAN
MAX	---	---	0.015	3.03	0.425	0.276	0.819	0.469	0.082	0.010	---	---	MAX
MIN	---	---	0.001	0.015	0.075	0.001	0.001	0.001	0.005	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.199
MAXIMUM DAILY, 3.03B ON APR 22
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.13B AT 20:52 MST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 35 N
LONG 113 27 45 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

REMARKS - THERE ARE ICE CONDITIONS AT TIME OF PEAK, BUT NO BACKWATER EFFECT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	511
FEB	---	AUG	351
MAR	23.8	SEP	67.0
APR	2 680	OCT	9.68
MAY	456	NOV	---
JUN	124	DEC	---

TOTAL DISCHARGE, 4 220 dam³

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.32	0.136	0.053	0.287	0.164	0.097	---	---	1
2	---	---	0B	0 B	2.65	0.115	0.078	0.228	0.154	0.113	---	---	2
3	---	---	0B	0 B	2.08	0.095	0.207	0.213	0.165	0.168	---	---	3
4	---	---	0B	0 B	1.68	0.082	52.8	0.240	0.165	0.311	---	---	4
5	---	---	0B	0 B	1.46	0.091	116	0.295	0.144	0.649	---	---	5
6	---	---	0B	0 B	1.27	0.087	52.7	0.254	0.123	0.381	---	---	6
7	---	---	0B	0 B	0.947	0.088	21.4	0.183	0.143	0.252	---	---	7
8	---	---	0B	0 B	0.861	0.085	10.8	0.145	0.109	0.219	---	---	8
9	---	---	0B	0 B	0.841	0.100	9.34	0.128	0.111	0.201	---	---	9
10	---	---	0B	0 B	0.621	0.089	6.47	0.121	0.124	0.175	---	---	10
11	---	---	0B	0 B	0.514	0.078	4.71	0.121	0.106	0.187	---	---	11
12	---	---	0B	0 B	0.459	0.073	3.69	0.133	0.094	0.175	---	---	12
13	---	---	0B	0 B	0.393	0.069	2.99	0.135	0.086	0.191	---	---	13
14	---	---	0B	0.150B	0.318	0.063	2.75	0.149	0.083	0.203	---	---	14
15	---	---	0B	0.346B	0.278	0.061	2.77	0.150	0.084	0.212	---	---	15
16	---	---	0B	1.64 B	0.290	0.060	2.88	0.144	0.079	0.217	---	---	16
17	---	---	0B	2.55 B	0.273	0.056	2.68	0.154	0.080	0.255	---	---	17
18	---	---	0B	9.20 B	0.350	0.052	2.11	0.155	0.077	0.294	---	---	18
19	---	---	0B	22.5 B	0.583	0.049	1.64	0.152	0.076	0.299	---	---	19
20	---	---	0B	26.6 B	1.78	0.048	1.36	0.155	0.072	0.316	---	---	20
21	---	---	0B	57.9 B	1.78	0.046	1.19	0.158	0.073	0.293	---	---	21
22	---	---	0B	82.8 B	1.30	0.041	1.25	0.181	0.072	0.305	---	---	22
23	---	---	0B	78.2	1.03	0.038	1.38	0.163	0.078	0.289	---	---	23
24	---	---	0B	47.7	0.995	0.039	1.43	0.161	0.079	0.328	---	---	24
25	---	---	0B	22.9	0.994	0.041	1.15	0.174	0.075	0.443	---	---	25
26	---	---	0B	12.8	0.816	0.044	0.825	0.159	0.076	0.459A	---	---	26
27	---	---	0B	8.88	0.603	0.048	0.612	0.181	0.078	0.450E	---	---	27
28	---	---	0B	7.05	0.416	0.048	0.455	0.183	0.086	0.450E	---	---	28
29	---		0B	5.65	0.287	0.048	0.463	0.164	0.087	0.450E	---	---	29
30	---		0B	4.43	0.215	0.049	0.491	0.167	0.088	0.450E	---	---	30
31	---		0B		0.144		0.368	0.158		0.450E		---	31
TOTAL	---	---	0	391.296	29.548	2.019	307.042	5.387	3.031	9.282	---	---	TOTAL
MEAN	---	---	0	13.0	0.953	0.067	9.90	0.174	0.101	0.299	---	---	MEAN
MAX	---	---	0	82.8	3.32	0.136	116	0.295	0.165	0.649	---	---	MAX
MIN	---	---	0	0	0.144	0.038	0.053	0.121	0.072	0.097	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.05
MAXIMUM DAILY, 116 ON JUL 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
126 AT 10:50 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 41 N
LONG 114 03 02 W
DRAINAGE AREA, 583 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	26 500
FEB	---	AUG	465
MAR	0	SEP	262
APR	33 800	OCT	882
MAY	2 550	NOV	---
JUN	174	DEC	---

TOTAL DISCHARGE, 64 600 dam³

STREETER CREEK (MAIN STEM) NEAR HANTON - STATION NO. 05AB030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008A	0.010	0.001E	0.028	0.011	0.003	0.003	0.002	---	1
2	---	---	0 B	0.027	0.008	0.001E	0.027	0.009	0.002	0.002	0.002B	---	2
3	---	---	0 B	0.031	0.005	0.001A	0.028	0.009	0.003	0.003	---	---	3
4	---	---	0 B	0.039	0.010	0.001	0.029	0.009	0.006	0.003	---	---	4
5	---	---	0 B	0.049	0.007	0.009	0.030	0.008	0.004	0.002	---	---	5
6	---	---	0 B	0.060	0.004	0.010	0.031	0.008	0.003	0.002	---	---	6
7	---	---	0 B	0.060	0.003	0.011	0.032	0.007	0.002	0.002	---	---	7
8	---	---	0 B	0.047	0.003	0.006	0.032	0.007	0.002	0.002	---	---	8
9	---	---	0 B	0.056	0.002	0.005	0.031	0.009	0.002	0.002	---	---	9
10	---	---	0 B	0.153	0.006	0.007	0.030	0.007	0.002	0.002	---	---	10
11	---	---	0 B	0.097	0.004	0.007	0.030	0.005	0.002	0.002	---	---	11
12	---	---	0 B	0.032	0.003	0.007	0.030	0.005	0.004	0.002	---	---	12
13	---	---	0.001B	0.034	0.002	0.008	0.029	0.005	0.004	0.002	---	---	13
14	---	---	0.001B	0.013	0.002	0.010	0.028	0.005	0.003	0.002	---	---	14
15	---	---	0.005B	0.008	0.001E	0.012	0.027	0.004	0.002	0.002	---	---	15
16	---	---	0.008B	0.009	0.001E	0.015	0.027	0.004	0.003	0.002	---	---	16
17	---	---	0.012B	0.011	0.001E	0.015	0.025	0.004	0.002	0.002	---	---	17
18	---	---	0.015B	0.014	0.001E	0.015	0.023	0.004	0.002	0.002	---	---	18
19	---	---	0.019B	0.004	0.001E	0.016	0.023	0.003	0.002	0.002	---	---	19
20	---	---	0.023B	0.007	0.001E	0.016	0.022	0.004	0.002	0.002	---	---	20
21	---	---	0.025B	0.015	0.001E	0.017	0.019	0.004	0.002	0.003	---	---	21
22	---	---	0.031	0.013	0.001E	0.024	0.017	0.004	0.002	0.002	---	---	22
23	---	---	0.062	0.014	0.001E	0.021	0.017	0.006	0.002	0.002	---	---	23
24	---	---	0.031	0.008	0.001E	0.021	0.017	0.004	0.002	0.002	---	---	24
25	---	---	0.029	0.014	0.001E	0.019	0.017	0.004	0.002	0.002	---	---	25
26	---	---	0.061	0.017	0.001E	0.019	0.016	0.008	0.006	0.002	---	---	26
27	---	---	0.075	0.018	0.003A	0.023	0.015	0.005	0.004	0.002	---	---	27
28	---	---	0.045	0.007	0.001E	0.025	0.013	0.004	0.006	0.002	---	---	28
29	---		0.035	0.009	0.002A	0.032	0.013	0.004	0.006	0.002	---	---	29
30	---		0.007E	0.010	0.003A	0.030	0.012	0.004	0.005	0.002	---	---	30
31	---		0.007E		0.002A		0.013	0.003		0.002		---	31
TOTAL	---	---	0.492	0.884	0.092	0.404	0.731	0.177	0.092	0.066	---	---	TOTAL
MEAN	---	---	0.016	0.029	0.003	0.013	0.024	0.006	0.003	0.002	---	---	MEAN
MAX	---	---	0.075	0.153	0.010	0.032	0.032	0.011	0.006	0.003	---	---	MAX
MIN	---	---	0	0.004	0.001	0.001	0.012	0.003	0.002	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.153 ON APR 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.193 AT 14:26 MST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 24 N
LONG 114 03 20 W
DRAINAGE AREA, 5.96 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63.2
FEB	---	AUG	15.3
MAR	42.5	SEP	7.95
APR	76.4	OCT	5.70
MAY	7.95	NOV	---
JUN	34.9	DEC	---

TOTAL DISCHARGE, 254 dam³

STRETTON CREEK NEAR NARWAYNE - STATION NO. 05EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.024	0.001	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.016	0	0.011	0	0	0	---	---	2
3	---	---	0B	0 B	0.015	0	0.334	0	0	0	---	---	3
4	---	---	0B	0 B	0.018	0	0.036	0	0	0	---	---	4
5	---	---	0B	0 B	0.012	0	0.003	0	0	0	---	---	5
6	---	---	0B	0 B	0.009	0	0.002	0	0	0	---	---	6
7	---	---	0B	0 B	0.045	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.026	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.015	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.006	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.004	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.004	0	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.004	0	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.003	0	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.002	0	0	0	0	0	---	---	15
16	---	---	0B	0.200B	0.001	0	0	0	0	0	---	---	16
17	---	---	0B	0.400B	0.001	0	0	0	0	0	---	---	17
18	---	---	0B	0.350B	0.001	0	0	0	0	0	---	---	18
19	---	---	0B	0.315B	0.001	0	0	0	0	0	---	---	19
20	---	---	0B	0.379B	0.002	0	0	0	0	0	---	---	20
21	---	---	0B	0.538B	0.002	0	0	0	0	0	---	---	21
22	---	---	0B	0.686B	0.002	0	0	0	0	0	---	---	22
23	---	---	0B	0.587	0.001	0	0	0	0	0	---	---	23
24	---	---	0B	0.392	0.002	0	0	0	0	0	---	---	24
25	---	---	0B	0.271	0.002	0	0	0	0	0	---	---	25
26	---	---	0B	0.208	0.002	0	0	0	0	0	---	---	26
27	---	---	0B	0.072	0.002	0	0	0	0	0	---	---	27
28	---	---	0B	0.046	0.001	0	0	0	0	0	---	---	28
29	---		0B	0.839	0.002	0	0	0	0	0	---	---	29
30	---		0B	0.040	0.001	0	0	0	0	0	---	---	30
31	---		0B		0.001		0	0		0		---	31
TOTAL	---	---	0	4.523	0.227	0.001	0.386	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.151	0.007	0	0.012	0	0	0	---	---	MEAN
MAX	---	---	0	0.686	0.045	0.001	0.334	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.686B ON APR 22
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 13 N
LONG 110 19 31 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.4
FEB	---	AUG	0
MAR	0	SEP	0
APR	391	OCT	0
MAY	19.6	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 444 dam³

STURGEON LAKE AT WILLIAMSON PARK - STATION NO. 07GH003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	676.624	---	---	---	676.713	676.782	676.948	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	676.819	676.713	676.837	676.947	---	---	---	3
4	---	---	---	---	---	676.814	---	676.895	---	---	---	---	4
5	---	---	---	---	---	---	676.737	---	676.947	676.879	---	---	5
6	---	---	---	---	676.720	---	---	676.937	676.941	---	---	---	6
7	---	---	---	---	---	676.804	676.742	---	---	---	---	---	7
8	---	---	---	---	---	676.820	676.740	---	676.940	---	---	---	8
9	---	---	---	---	---	---	676.740	676.950	---	---	---	---	9
10	---	---	---	---	676.769	676.807	676.736	---	---	---	---	---	10
11	---	---	---	---	676.779	---	---	676.950	---	---	---	---	11
12	---	---	---	---	---	676.805	676.731	---	---	---	---	---	12
13	---	---	---	---	676.801	---	---	676.945	676.927	---	---	---	13
14	---	---	---	---	676.804	676.799	---	---	---	---	---	---	14
15	---	---	---	676.655	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	676.791	676.957	---	---	---	---	16
17	---	---	---	---	---	676.786	---	---	---	---	---	---	17
18	---	---	---	---	676.824	676.786	---	676.968	---	---	---	---	18
19	---	---	---	---	676.823	---	676.784	---	---	---	---	---	19
20	---	---	---	---	676.823	---	---	676.968	---	---	---	---	20
21	---	---	---	676.638	676.831	676.785	676.784	---	---	---	---	---	21
22	---	---	676.638	---	---	676.769	---	---	---	---	---	---	22
23	---	---	---	---	---	676.759	676.781	676.967	---	---	---	---	23
24	---	---	---	---	---	676.759	---	---	---	---	---	---	24
25	---	---	---	---	676.820	676.750	---	676.967	---	---	---	---	25
26	---	---	---	---	676.838	676.744	676.789	---	---	---	---	---	26
27	---	---	---	---	---	676.742	---	676.967	---	---	---	---	27
28	---	---	---	676.635	676.832	---	676.788	---	---	676.845	---	---	28
29	---		---	---	676.826	676.720	676.788	---	---	---	---	---	29
30	---		---	---	676.825	---	676.782	676.960	---	---	---	---	30
31	---		---		676.825		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 05 00 N
LONG 117 33 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.060B	0.028B	32.9	10.4	2.34	6.30E	4.35	4.38	---	---	1
2	---	---	0.060B	0.028B	32.7	10.2	2.76	6.20E	4.30	4.28	---	---	2
3	---	---	0.060B	0.030B	32.4	9.64	3.18	5.80E	4.22	4.30	---	---	3
4	---	---	0.060B	0.036B	31.8	9.15	3.84	5.60E	4.19	4.26	---	---	4
5	---	---	0.060B	0.044B	30.6	8.43	3.55	5.50E	4.41	4.26	---	---	5
6	---	---	0.060B	0.053B	29.4	8.05	3.89	5.30E	4.40	4.25	---	---	6
7	---	---	0.060B	0.069B	28.5	7.72	4.28	5.10E	4.43	4.29	---	---	7
8	---	---	0.060B	0.142B	27.8	7.30	4.77	5.00E	4.43	4.26	---	---	8
9	---	---	0.060B	0.182B	26.8	6.94	5.23	4.90E	4.53	4.19	---	---	9
10	---	---	0.063B	0.361B	26.0	6.49	5.61	4.80E	4.79	4.18	---	---	10
11	---	---	0.060B	0.555B	25.0	6.19	6.08	4.70E	5.06	4.16	---	---	11
12	---	---	0.064B	0.569B	24.0	5.83	6.37	4.60A	5.56	4.10	---	---	12
13	---	---	0.070B	1.01 B	23.0	5.49	6.51	4.43	5.42	4.11	---	---	13
14	---	---	0.068B	1.04 B	22.0	5.31	6.45	4.25	5.44	4.05	---	---	14
15	---	---	0.076B	1.05 B	21.1	5.18	6.86	4.27	5.38	3.94	---	---	15
16	---	---	0.071B	1.03 B	20.5	4.89	7.06	4.40	5.42	3.95	---	---	16
17	---	---	0.067B	1.29 B	19.6	4.57	7.09	4.26	5.41	3.96	---	---	17
18	---	---	0.066B	1.40 B	18.9	4.33	7.12	4.20	5.40	4.00	---	---	18
19	---	---	0.072B	1.70 B	18.3	4.03	7.11	4.30	5.41	3.99	---	---	19
20	---	---	0.079B	2.71 B	17.7	3.74	6.94	4.25	5.44	3.97	---	---	20
21	---	---	0.098B	4.78 B	17.1	3.50	7.00E	4.36	5.45	3.97	---	---	21
22	---	---	0.119B	7.51 B	16.8	3.30	7.20E	4.34	5.45	3.97	---	---	22
23	---	---	0.129B	10.7	16.2	2.91	7.20E	4.25	5.46	4.05	---	---	23
24	---	---	0.128B	15.4	15.2	2.73	7.00E	4.17	5.11	4.06	---	---	24
25	---	---	0.112B	19.4	14.5	2.60	6.50E	4.18	4.76	4.07	---	---	25
26	---	---	0.111B	23.9	14.1	2.44	6.20E	4.18	4.56	4.05	---	---	26
27	---	---	0.117B	27.6	13.2	2.32	6.10E	4.11	4.52	4.09	---	---	27
28	---	---	0.106B	30.3	12.8	2.35	6.00E	4.27	4.42	4.03A	---	---	28
29	---		0.110B	32.6	12.1	2.29	5.90E	4.13	4.48	4.00E	---	---	29
30	---		0.068B	32.7	11.8	2.21	5.90E	4.49	4.50	4.00E	---	---	30
31	---		0.035B		11.0		6.10E	4.41		4.00E		---	31
TOTAL	---	---	2.429	218.217	663.8	160.53	178.14	145.05	146.70	127.17	---	---	TOTAL
MEAN	---	---	0.078	7.27	21.4	5.35	5.75	4.68	4.89	4.10	---	---	MEAN
MAX	---	---	0.129	32.7	32.9	10.4	7.20	6.30	5.56	4.38	---	---	MAX
MIN	---	---	0.035	0.028	11.0	2.21	2.34	4.11	4.19	3.94	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.70
MAXIMUM DAILY, 32.9 ON MAY 1
MINIMUM DAILY, 0.028B ON APR 1
MAXIMUM INSTANTANEOUS,
33.6 AT 11:15 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 05 N
LONG 113 37 33 W
DRAINAGE AREA, 2 640 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 15 400	
FEB	---	AUG 12 500	
MAR	210	SEP 12 700	
APR 18	900	OCT 11 000	
MAY 57	400	NOV	---
JUN 13	900	DEC	---

TOTAL DISCHARGE, 142 000 dam³

STURGEON RIVER NEAR PORT SASKATCHEWAN - STATION NO. 05EA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.136B	0.120B	36.3	11.1	2.67	6.89	4.54	4.51	---	---	1
2	---	---	0.136B	0.120B	36.5	10.5	2.71	6.45	4.50	4.50	---	---	2
3	---	---	0.136B	0.120B	36.7	10.1	3.04	6.18	4.55	4.63	---	---	3
4	---	---	0.136B	0.120B	36.5	9.74	3.88	5.98	4.70	4.80	---	---	4
5	---	---	0.136B	0.120B	36.1	9.33	4.91	5.83	4.79	4.95	---	---	5
6	---	---	0.136B	0.120B	35.4	8.71	4.69	5.68	4.76	4.92	---	---	6
7	---	---	0.136B	0.120B	34.1	8.15	4.23	5.52	4.77	4.85	---	---	7
8	---	---	0.136B	0.140B	32.3	7.63	4.22	5.36	4.72	4.73	---	---	8
9	---	---	0.136B	0.180B	30.9	7.26	4.28	5.24	4.71	4.55	---	---	9
10	---	---	0.136B	0.240B	29.7	6.87	4.90	5.12	4.76	4.54	---	---	10
11	---	---	0.136B	0.310B	28.5	6.45	4.75	5.08	4.80	4.50	---	---	11
12	---	---	0.136B	0.380B	27.3	6.02	4.75	5.07	4.85	4.57	---	---	12
13	---	---	0.136B	0.480B	26.1	5.60	4.83	4.99	4.91	4.46	---	---	13
14	---	---	0.136B	0.580B	25.0	5.12	4.96	4.89	3.52	4.47	---	---	14
15	---	---	0.140B	0.660B	23.9	4.64	5.10	4.84	3.44	4.58	---	---	15
16	---	---	0.150B	0.760B	22.7	4.33	5.20	4.92	3.59	4.49	---	---	16
17	---	---	0.160B	1.61 B	21.7	4.08	5.37	4.82	3.66	4.44	---	---	17
18	---	---	0.170B	2.03 B	20.6	3.80	5.50	4.73	3.67	4.41	---	---	18
19	---	---	0.190B	3.58 B	20.0	3.57	5.59	4.57	3.71	4.44	---	---	19
20	---	---	0.220B	5.36 B	19.2	3.34	5.58	4.54	3.72	4.46	---	---	20
21	---	---	0.240B	8.83 B	18.3	3.14	5.60	4.46	3.72	4.45	---	---	21
22	---	---	0.240B	20.5 B	17.5	3.02	6.50	4.46	3.72	4.43	---	---	22
23	---	---	0.240B	37.0 B	16.8	2.87	6.76	4.65	3.71	4.39	---	---	23
24	---	---	0.240B	42.1	16.2	2.76	7.50	4.53	3.69	4.37	---	---	24
25	---	---	0.240B	36.2	15.3	2.70	6.92	4.40	3.69	4.37	---	---	25
26	---	---	0.240B	36.9	14.5	2.78	6.55	4.37	4.01	4.37	---	---	26
27	---	---	0.240B	36.8	13.9	2.78	6.42	4.43	4.41	4.35E	---	---	27
28	---	---	0.240B	35.9	13.1	2.71	6.40	4.39	4.49	4.35E	---	---	28
29	---		0.180B	35.2	12.5	2.71	6.24	4.36	4.51	4.35E	---	---	29
30	---		0.120B	35.9	12.0	2.80	6.22	4.77	4.50	4.35E	---	---	30
31	---		0.120B		11.6		6.44	4.56		4.35E		---	31
TOTAL	---	---	5.274	342.480	741.2	164.61	162.71	156.04	126.52	139.89	---	---	TOTAL
MEAN	---	---	0.170	11.4	23.9	5.49	5.25	5.03	4.22	4.51	---	---	MEAN
MAX	---	---	0.240	42.1	36.7	11.1	7.50	6.89	4.85	4.95	---	---	MAX
MIN	---	---	0.120	0.120	11.6	2.70	2.67	4.36	3.44	4.35	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.50
MAXIMUM DAILY, 42.1 ON APR 24
MINIMUM DAILY, 0.120B ON MAR 30
MAXIMUM INSTANTANEOUS,
51.9 AT 21:00 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 14 N
LONG 113 13 23 W
DRAINAGE AREA, 3 340 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 100
FEB	---	AUG	13 500
MAR	456	SEP	10 900
APR	25 600	OCT	12 100
MAY	64 000	NOV	---
JUN	14 200	DEC	---

TOTAL DISCHARGE, 159 000 dam³

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.032B	2.14	0.136	0.030	0.162	0.209	0.038	---	---	1
2	---	---	0 B	0.021B	1.69	0.138	0.033	0.160	0.150	0.057	---	---	2
3	---	---	0 B	0.039B	1.39	0.110	0.144	0.141	0.116	0.052	---	---	3
4	---	---	0 B	0.063B	1.12	0.089	9.09	0.108	0.122	0.092	---	---	4
5	---	---	0 B	0.111B	0.957	0.081	18.9	0.183	0.368	0.072	---	---	5
6	---	---	0 B	0.125B	0.806	0.152	11.2	0.180	0.328	0.049	---	---	6
7	---	---	0 B	0.198B	0.688	0.173	7.38	0.098	0.211	0.048	---	---	7
8	---	---	0 B	0.227B	0.604	0.136	4.45	0.082	0.168	0.045	---	---	8
9	---	---	0 B	0.248B	0.530	0.141	3.02	0.065	0.137	0.044	---	---	9
10	---	---	0 B	0.250B	0.474	0.107	1.89	0.058	0.151	0.041	---	---	10
11	---	---	0 B	0.201B	0.467	0.066	1.22	0.180	0.143	0.040	---	---	11
12	---	---	0 B	0.102B	0.439	0.048	0.916	0.220	0.111	0.040	---	---	12
13	---	---	0 B	0.064B	0.469	0.042	0.767	0.191	0.089	0.040	---	---	13
14	---	---	0 B	0.145B	0.465	0.040	0.810	0.150	0.073	0.039	---	---	14
15	---	---	0 B	0.205B	0.418	0.033	4.30	0.141	0.082	0.039	---	---	15
16	---	---	0 B	0.223B	0.441	0.080	4.97	0.184	0.061	0.042	---	---	16
17	---	---	0 B	0.393B	0.434	0.034	3.17	0.183	0.062	0.063	---	---	17
18	---	---	0 B	0.658B	0.432	0.025	1.84	0.143	0.049	0.092	---	---	18
19	---	---	0 B	1.91 B	0.693	0.021	1.38	0.118	0.046	0.083	---	---	19
20	---	---	0 B	2.64 B	0.590	0.018	1.16	0.096	0.042	0.075	---	---	20
21	---	---	0 B	4.62 B	0.481	0.016	0.969	0.073	0.040	0.066	---	---	21
22	---	---	0 B	9.76 B	0.698	0.006	0.823	0.064	0.036	0.072	---	---	22
23	---	---	0 B	16.4 B	0.409	0.007	0.626	0.054	0.035	0.077	---	---	23
24	---	---	0 B	15.1 B	0.375	0.016	0.490	0.077	0.034	0.076	---	---	24
25	---	---	0 B	10.3	0.285	0.013	0.409	0.142	0.033	0.104	---	---	25
26	---	---	0 B	7.44	0.262	0.010	0.347	0.199	0.029	0.111	---	---	26
27	---	---	0 B	5.79	0.247	0.009	0.289	0.237	0.029	0.113A	---	---	27
28	---	---	0 B	4.62	0.224	0.016	0.245	0.130	0.070	0.113E	---	---	28
29	---		0 B	3.67	0.196	0.018	0.226	0.095	0.039	0.113E	---	---	29
30	---		0 B	2.84	0.174	0.012	0.203	0.188	0.036	0.113E	---	---	30
31	---		0.008B		0.148		0.181	0.183		0.113E		---	31
TOTAL	---	---	0.008	88.395	18.746	1.753	81.478	4.285	3.079	2.162	---	---	TOTAL
MEAN	---	---	0	2.95	0.605	0.058	2.63	0.138	0.103	0.070	---	---	MEAN
MAX	---	---	0.008	16.4	2.14	0.173	18.9	0.237	0.368	0.113	---	---	MAX
MIN	---	---	0	0.021	0.148	0.006	0.030	0.054	0.029	0.038	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.816
MAXIMUM DAILY, 18.9 ON JUL 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
22.9 AT 01:50 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 29 N
LONG 114 51 35 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 040
FEB	---	AUG	370
MAR	0.69	SEP	266
APR	7 640	OCT	187
MAY	1 620	NOV	---
JUN	151	DEC	---

TOTAL DISCHARGE, 17 300 dam³

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.140B	0.230B	0.440B	0.530B	33.4	3.86	1.42	2.79	3.47	3.05	2.49	1.33B	1
2	0.140B	0.240B	0.440B	0.530B	27.4	3.73	1.55	2.53	3.41	3.11	2.46B	1.33B	2
3	0.140B	0.240B	0.450B	0.530B	22.3	3.65	1.87	2.29	3.43	3.24	2.10B	1.32B	3
4	0.140B	0.250B	0.460B	0.530B	17.8	3.53	6.03	2.16	3.56	3.18	1.78B	1.32B	4
5	0.140B	0.260B	0.470B	0.530B	14.6	3.45	9.48	2.07	3.84	3.10	1.50B	1.31B	5
6	0.140B	0.270B	0.480B	0.530B	11.8	3.34	14.1	1.97	3.96	3.11	1.50B	1.31B	6
7	0.140B	0.280B	0.490B	0.530B	9.86	3.29	13.2	1.97	4.05	3.07	1.50B	1.30B	7
8	0.140B	0.280B	0.490B	0.505B	8.77	3.23	11.4	1.91	4.09	2.98	1.49B	1.30B	8
9	0.140B	0.290B	0.500B	0.531B	8.19	3.11	10.5	1.70	4.09	2.97	1.48B	1.29B	9
10	0.140B	0.300B	0.500B	0.667B	7.49	2.98	10.1	1.73	4.08	3.04	1.47B	1.29B	10
11	0.140B	0.300B	0.500B	0.952B	6.84	2.89	9.79	1.90	3.93	3.03	1.46B	1.28B	11
12	0.140B	0.310B	0.500B	1.13 B	6.33	2.79	9.08	2.02	3.81	2.97	1.45B	1.28B	12
13	0.140B	0.320B	0.510B	1.51 B	5.97	2.60	8.28	2.12	3.72	2.91	1.45B	1.27B	13
14	0.140B	0.330B	0.510B	1.56 B	5.61	2.46	7.51	2.13	3.64	2.90	1.44B	1.26B	14
15	0.150B	0.340B	0.510B	1.23 B	5.20	2.39	7.72	2.24	3.57	2.82	1.44B	1.26B	15
16	0.160B	0.340B	0.510B	0.900B	4.89	2.28	7.19	2.38	3.44	2.77	1.43B	1.25B	16
17	0.160B	0.350B	0.510B	0.850B	4.77	2.23	6.09	2.47	3.31	2.83	1.42B	1.25B	17
18	0.170B	0.360B	0.510B	0.500B	4.72	2.17	5.57	2.53	3.23	2.83	1.41B	1.25B	18
19	0.170B	0.360B	0.510B	0.600B	4.99	2.14	5.12	2.58	3.13	2.80	1.40B	1.24B	19
20	0.180B	0.370B	0.510B	1.02 B	4.93	2.12	4.84	2.61	3.06	2.82	1.40B	1.24B	20
21	0.180B	0.380B	0.520B	4.47 B	4.89	2.07	4.13	2.81	3.08	2.99	1.39B	1.23B	21
22	0.190B	0.390B	0.520B	14.1 B	4.72	1.98	6.87	2.98	3.06	3.04	1.38B	1.22B	22
23	0.190B	0.390B	0.520B	31.8 B	4.74	1.93	9.85	3.12	3.05	2.98	1.38B	1.22B	23
24	0.190B	0.400B	0.520B	50.3 B	4.71	1.87	9.31	3.23	3.03	2.93	1.37B	1.21B	24
25	0.200B	0.410B	0.520B	65.3 B	4.67	1.81	7.72	3.25	3.02	2.80	1.36B	1.20B	25
26	0.200B	0.410B	0.520B	77.2	4.59	1.76	6.32	3.23	3.03	2.73	1.36B	1.20B	26
27	0.210B	0.420B	0.520B	73.8	4.45	1.67	5.24	3.17	3.04	2.67	1.35B	1.19B	27
28	0.210B	0.430B	0.520B	63.9	4.48	1.59	4.33	3.22	3.08	2.90	1.35B	1.19B	28
29	0.220B		0.520B	52.6	4.51	1.51	3.71	3.20	3.08	2.64	1.34B	1.18B	29
30	0.220B		0.520B	41.8	4.13	1.43	3.30	3.41	3.07	2.57	1.34B	1.18B	30
31	0.230B		0.520B		4.03		3.48	3.45		2.51		1.17B	31
TOTAL	5.190	9.250	15.520	491.735	265.78	75.86	214.90	79.17	103.36	90.29	45.61	38.87	TOTAL
MEAN	0.167	0.330	0.501	16.4	8.57	2.53	6.93	2.55	3.45	2.91	1.52	1.25	MEAN
MAX	0.230	0.430	0.520	77.2	33.4	3.86	14.1	3.45	4.09	3.24	2.49	1.33	MAX
MIN	0.140	0.230	0.440	0.500	4.03	1.43	1.42	1.70	3.02	2.51	1.34	1.17	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.93
MAXIMUM DAILY, 77.2 ON APR 26
MINIMUM DAILY, 0.140B ON JAN 1
MAXIMUM INSTANTANEOUS,
77.6 AT 16:30 MST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 20 N
LONG 113 45 40 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	448	JUL	18 600
FEB	799	AUG	6 840
MAR	1 340	SEP	8 930
APR	42 500	OCT	7 800
MAY	23 000	NOV	3 940
JUN	6 550	DEC	3 360

TOTAL DISCHARGE, 124 000 dam³

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.110B	0.216B	2.42B	1.65	2.34	2.54	1.88	1.61	1.00B	---	1
2	---	---	0.110B	0.222B	2.82B	1.48	2.47	3.82	1.74	1.74	---	---	2
3	---	---	0.110B	0.227B	3.37B	1.31	3.28	5.27	1.58	2.27	---	---	3
4	---	---	0.112B	0.226B	3.84B	1.16	5.52	7.42	1.70	2.15	---	---	4
5	---	---	0.114B	0.224B	3.98B	1.25	7.57	6.80	2.64	1.92	---	---	5
6	---	---	0.118B	0.221B	3.89B	1.52	15.4	5.80	2.96	1.78	---	---	6
7	---	---	0.124B	0.218B	3.88	1.56	13.6	4.80	2.55	1.67	---	---	7
8	---	---	0.130B	0.219B	3.87	1.44	10.9	3.75	2.20	1.54	---	---	8
9	---	---	0.138B	0.222B	3.76	1.42	8.51	2.92	1.98	1.44	---	---	9
10	---	---	0.145B	0.229B	3.67	1.49	6.79	2.5'	1.84	1.39	---	---	10
11	---	---	0.155B	0.275B	3.79	1.46	5.65	2.37	1.76	1.32	---	---	11
12	---	---	0.160B	0.311B	3.92	1.33	4.58	2.37	1.66	1.26	---	---	12
13	---	---	0.160B	0.280B	3.99	1.20	3.81	2.25	1.58	1.21	---	---	13
14	---	---	0.158B	0.248B	4.10	1.06	3.35	2.15	1.68	1.18	---	---	14
15	---	---	0.155B	0.248B	4.31	0.991	4.50	2.19	1.41	1.14	---	---	15
16	---	---	0.152B	0.243B	4.79	0.920	14.5	2.50	1.37	1.11	---	---	16
17	---	---	0.148B	0.242B	4.90	0.851	13.9	2.63	1.32	1.11	---	---	17
18	---	---	0.146B	0.236B	4.92	0.979	11.2	2.28	1.26	1.10	---	---	18
19	---	---	0.168B	0.237B	4.87	0.847	9.41	1.99	1.21	1.04	---	---	19
20	---	---	0.157B	0.251B	5.00	0.733	7.60	1.80	1.17	1.03 B	---	---	20
21	---	---	0.150B	0.306B	4.92	0.754	6.95	1.74	1.14	1.17 B	---	---	21
22	---	---	0.146B	0.411B	5.10	0.837	6.32	1.74	1.11	1.12	---	---	22
23	---	---	0.163B	0.507B	4.81	0.967	5.78	1.66	1.09	1.09	---	---	23
24	---	0.109B	0.156B	0.566B	4.24	0.971	5.47	1.56	1.07	1.10	---	---	24
25	---	0.110B	0.169B	0.663B	3.57	0.933	4.90	1.65	1.04	1.08	---	---	25
26	---	0.110B	0.174B	0.914B	3.26	0.864	4.52	2.01	1.14	1.06	---	---	26
27	---	0.110B	0.180B	0.979B	2.90	0.923	3.92	2.00	1.45	1.04	---	---	27
28	---	0.110B	0.191B	1.24 B	2.56	1.94	3.24	2.06	1.55	1.02	---	---	28
29	---		0.200B	1.90 B	2.25	2.66	2.73	2.06	1.72	0.990B	---	---	29
30	---		0.208B	2.13 B	1.98	2.41	2.40	1.97	1.74	0.962B	---	---	30
31	---		0.212B		1.79		2.13	1.98		0.981B		---	31
TOTAL	---	---	4.699	14.411	117.47	37.910	202.80	88.59	48.34	40.623	---	---	TOTAL
MEAN	---	---	0.152	0.480	3.79	1.26	6.54	2.86	1.61	1.31	---	---	MEAN
MAX	---	---	0.212	2.13	5.10	2.66	15.4	7.42	2.96	2.27	---	---	MAX
MIN	---	---	0.110	0.216	1.79	0.733	2.13	1.56	1.04	0.962	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.26
MAXIMUM DAILY, 15.4 ON JUL 6
MINIMUM DAILY, 0.110B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.3 AT 12:00 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 00 N
LONG 116 41 50 W
DRAINAGE AREA, 166 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17 500
FEB	---	AUG	7 650
MAR	406	SEP	4 180
APR	1 250	OCT	3 510
MAY	10 100	NOV	---
JUN	3 280	DEC	---

TOTAL DISCHARGE, 47 900 dam³

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.020B	0.540E	5.94	8.34	3.84	0.806	---	---	1
2	---	---	---	---	0.020B	0.640E	5.15	6.42	4.54	0.489	---	---	2
3	---	---	---	---	0.025B	0.710E	5.22	4.66	5.65	0.435	---	---	3
4	---	---	---	---	0.030B	0.860E	3.66	3.88	6.10	0.329	---	---	4
5	---	---	---	---	0.035B	0.810E	2.56	3.79	4.95	0.292	---	---	5
6	---	---	---	---	0.040B	0.750E	3.31	5.66	3.95	0.256	---	---	6
7	---	---	---	---	0.040B	0.600E	3.89	4.96	5.60	0.227	---	---	7
8	---	---	---	---	0.040B	0.800E	4.03	5.64	8.40	0.195	---	---	8
9	---	---	---	---	0.050B	1.07 E	4.27	6.30	10.5	0.182	---	---	9
10	---	---	---	---	0.055B	1.02 A	4.58	7.64	3.84	0.178	---	---	10
11	---	---	---	---	0.060B	1.13	4.99	6.04	1.84	0.207	---	---	11
12	---	---	---	---	0.065B	1.71	4.78	3.02	1.22	0.215	---	---	12
13	---	---	---	---	0.077B	2.36	4.87	2.68	0.868	0.208	---	---	13
14	---	---	---	---	0.090B	2.87	5.77	2.35	0.747	0.289	---	---	14
15	---	---	---	---	0.110B	3.60	2.83	2.22	0.758	0.489	---	---	15
16	---	---	---	---	0.140B	4.23	2.49	2.40	0.832	1.32	---	---	16
17	---	---	---	---	0.170B	3.90	3.75	3.36	0.889	0.908	---	---	17
18	---	---	---	---	0.185B	3.91	5.55	2.77	1.14	0.641	---	---	18
19	---	---	---	---	0.205B	4.26	7.64	2.74	1.33	0.580	---	---	19
20	---	---	---	---	0.225B	4.71	6.21	3.53	1.42	0.558	---	---	20
21	---	---	---	---	0.250B	5.43	5.62	4.08	1.57	0.529	---	---	21
22	---	---	---	---	0.285B	5.72	3.70	4.17	2.19	0.508	---	---	22
23	---	---	---	---	0.310B	5.08	3.07	3.20	1.93	0.453	---	---	23
24	---	---	---	---	0.390E	5.18	3.51	3.39	1.98	0.437	---	---	24
25	---	---	---	---	0.365E	5.08	3.91	4.45	2.46	0.426	---	---	25
26	---	---	---	---	0.345E	5.30	4.50	4.30	2.42	0.306	---	---	26
27	---	---	---	---	0.320E	4.94	5.51	4.45	1.88	0.250	---	---	27
28	---	---	---	---	0.290E	5.31	6.25	4.41	1.01	0.248	---	---	28
29	---		---	---	0.300E	4.97	6.87	3.36	0.578	0.173	---	---	29
30	---		---	---	0.390E	5.41	7.73	3.77	0.448	0.169	---	---	30
31	---		---		0.470E		7.62	3.73		0.165A		---	31
TOTAL	---	---	---	---	5.397	92.900	149.78	131.71	84.880	12.068	---	---	TOTAL
MEAN	---	---	---	---	0.174	3.10	4.83	4.25	2.83	0.389	---	---	MEAN
MAX	---	---	---	---	0.470	5.72	7.73	8.34	10.5	1.32	---	---	MAX
MIN	---	---	---	---	0.020	0.540	2.49	2.22	0.448	0.165	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.59
MAXIMUM DAILY, 10.5 ON SEP 9
MINIMUM DAILY, 0.020B ON MAY 1
MAXIMUM INSTANTANEOUS,
12.2 AT 13:50 MST ON SEP 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 10 N
LONG 117 14 00 W
DRAINAGE AREA, 47.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12 900
FEB	---	AUG	11 400
MAR	---	SEP	7 330
APR	---	OCT	1 040
MAY	466	NOV	---
JUN	8 030	DEC	---

TOTAL DISCHARGE, 41 200 dam³

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.236B	0.255B	0.169B	0.161B	45.6	15.1	2.46	13.0	5.20	4.07	1.34 B	0.515B	1
2	0.218B	0.253B	0.160B	0.166B	54.2	14.0	3.00	68.4	7.49	3.81	1.55 B	0.513B	2
3	0.216B	0.270B	0.149B	0.168B	75.6	14.0	6.74	153	6.13	3.49	1.54 B	0.475B	3
4	0.226B	0.277B	0.147B	0.173B	70.6	16.0	17.1	183	5.27	3.32	1.73 B	0.450B	4
5	0.250B	0.285B	0.140B	0.177B	45.1	14.3	58.1	126	4.86	3.05	1.75 B	0.448B	5
6	0.295B	0.275B	0.130B	0.190B	33.1	12.7	61.5	71.0	4.79	3.01	1.56 B	0.415B	6
7	0.236B	0.255B	0.127B	0.202B	29.7	12.1	40.5	46.5	4.82	2.85	1.37 B	0.420B	7
8	0.194B	0.250B	0.127B	0.207B	27.8	11.2	26.3	33.0	4.75	2.78	1.34 B	0.420B	8
9	0.192B	0.270B	0.129B	0.216B	29.3	10.5	21.0	24.8	4.88	2.69	1.08 B	0.415B	9
10	0.188B	0.257B	0.131B	0.220B	30.9	9.67	19.0	19.4	5.07	2.58	0.919B	0.400B	10
11	0.188B	0.214B	0.138B	0.232B	40.1	8.83	18.9	17.3	4.86	2.46	0.832B	0.380B	11
12	0.166B	0.201B	0.140B	0.229B	58.5	8.13	11.4	19.9	4.62	2.40	0.538B	0.370B	12
13	0.170B	0.203B	0.138B	0.237B	56.7	7.47	9.78	17.1	4.63	2.32	0.683B	0.365B	13
14	0.164B	0.200B	0.137B	0.249B	52.8	7.14	8.89	13.7	4.59	2.23	0.587B	0.365B	14
15	0.150B	0.191B	0.129B	0.262B	51.6	6.79	53.4	11.8	4.12	2.19	0.459B	0.378B	15
16	0.170B	0.191B	0.128B	0.297B	65.3	6.34	129	12.3	3.92	2.15	0.464B	0.370B	16
17	0.194B	0.180B	0.126B	0.349B	85.3	5.70	68.3	13.1	3.65	2.23	0.448B	0.387B	17
18	0.190B	0.171B	0.127B	2.44 B	67.4	5.16	44.7	11.7	3.37	2.47	0.438B	0.410B	18
19	0.184B	0.180B	0.126B	3.88 B	94.9	4.72	33.5	9.61	3.16	2.35	0.434B	0.418B	19
20	0.186B	0.180B	0.123B	3.36 B	79.3	4.26	25.1	8.24	2.90	1.97	0.431B	0.412B	20
21	0.190B	0.179B	0.125B	2.84 B	56.4	3.93	19.6	7.15	2.72	1.65	0.440B	0.410B	21
22	0.200B	0.171B	0.127B	3.98 B	45.9	3.94	26.6	6.85	2.59	1.73	0.447B	0.431B	22
23	0.202B	0.176B	0.128B	8.48 B	41.3	3.76	41.3	8.69	2.49	2.09	0.444B	0.442B	23
24	0.192B	0.176B	0.131B	10.4 B	37.7	3.49	36.9	8.43	2.43	2.16	0.434B	0.421B	24
25	0.184B	0.174B	0.141B	15.0 B	31.8	3.15	38.1	8.28	2.34	2.24	0.436B	0.350B	25
26	0.174B	0.177B	0.149B	25.3 B	37.3	2.92	39.5	8.66	2.24	2.26	0.460B	0.307B	26
27	0.180B	0.182B	0.142B	28.1 B	34.0	2.75	30.1	8.37	2.18	2.28	0.530B	0.275B	27
28	0.194B	0.175B	0.140B	42.3	27.6	2.65	21.6	7.68	2.23	2.26	0.645B	0.267B	28
29	0.210B		0.148B	50.8	22.5	2.50	17.1	7.26	2.58	2.25	0.600B	0.263B	29
30	0.231B		0.148B	46.0	19.2	2.33	13.9	6.79	3.41	1.83B	0.570B	0.262B	30
31	0.248B		0.154B		16.9		11.7	7.19		1.37B		0.255B	31
TOTAL	6.218	5.968	4.254	286.615	1 460.4	225.53	951.07	958.20	121.29	76.54	28.499	12.005	TOTAL
MEAN	0.201	0.213	0.137	8.22	47.1	7.52	30.7	30.9	4.04	2.47	0.917	0.387	MEAN
MAX	0.295	0.285	0.169	50.8	94.9	16.0	129	183	8.20	4.07	1.75	0.515	MAX
MIN	0.150	0.171	0.123	0.161	16.9	2.33	2.46	6.79	2.18	1.37	0.431	0.255	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.2
MAXIMUM DAILY, 183 ON AUG 4
MINIMUM DAILY, 0.123B ON MAR 20
MAXIMUM INSTANTANEOUS,
200 AT 14:00 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 00 N
LONG 115 24 30 W
DRAINAGE AREA, 1 930 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	537	JUL	82 200
FEB	516	AUG	82 800
MAR	368	SEP	10 500
APR	21 300	OCT	6 610
MAY	126 000	NOV	2 120
JUN	19 500	DEC	1 940

TOTAL DISCHARGE, 353 000 dam³

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.101B	0.137B	4.79	2.75	0.709	3.21	2.08	0.736	0.180	---	1
2	---	---	0.101B	0.200B	6.49	2.72	5.30	18.6	1.64	0.669	0.323A	---	2
3	---	---	0.102B	0.296B	6.87	3.67	4.84	13.2	1.30	0.603	---	---	3
4	---	---	0.102B	0.290B	4.97	2.97	8.24	10.6	1.11	0.543	---	---	4
5	---	---	0.095B	0.280B	2.74	1.90	8.80	6.16	1.20	0.482	---	---	5
6	---	---	0.091B	0.265B	2.27	2.22	7.51	4.63	1.23	0.460	---	---	6
7	---	---	0.097B	0.226B	2.28	2.45	5.17	3.40	1.08	0.451	---	---	7
8	---	---	0.084B	0.180B	2.16	2.57	4.10	2.62	1.03	0.427	---	---	8
9	---	---	0.090B	0.152B	2.15	2.54	3.65	2.10	1.07	0.377	---	---	9
10	---	---	0.088B	0.144B	2.81	2.34	3.10	1.76	0.966	0.392	---	---	10
11	---	---	0.091B	0.137B	4.26	2.31	2.40	2.19	0.953	0.385	---	---	11
12	---	---	0.093B	0.140B	5.52	2.22	2.01	2.20	0.985	0.328	---	---	12
13	---	---	0.097B	0.140B	5.74	2.06	1.76	1.64	0.900	0.316	---	---	13
14	---	---	0.097B	0.133B	6.36	2.32	2.30	1.40	0.817	0.320	---	---	14
15	---	---	0.105B	0.178B	7.28	2.16	39.6	1.39	0.765	0.265	---	---	15
16	---	---	0.109B	0.201B	16.6	1.89	12.1	1.83	0.728	0.303	---	---	16
17	---	---	0.108B	0.251B	16.3	1.49	7.83	1.72	0.702	0.316	---	---	17
18	---	---	0.116B	0.289B	17.9	0.919	6.45	1.36	0.648	0.239	---	---	18
19	---	---	0.122B	0.302B	18.0	1.16	4.80	1.07	0.608	0.252	---	---	19
20	---	---	0.113B	0.312B	11.9	1.26	3.66	0.912	0.570	0.285	---	---	20
21	---	---	0.151B	0.322B	9.22	0.756	3.44	0.895	0.553	0.260	---	---	21
22	---	---	0.138B	0.360B	9.52	0.698	7.64	1.59	0.532	0.228	---	---	22
23	---	---	0.117B	0.400B	9.40	0.636	6.05	1.35	0.509	0.270	---	---	23
24	---	---	0.118B	0.720B	7.54	0.581	6.30	1.16	0.494	0.242	---	---	24
25	---	---	0.105B	1.55 B	8.46	0.555	10.0	1.30	0.493	0.258	---	---	25
26	---	---	0.116B	2.79	7.86	0.539	9.15	1.34	0.481	0.245	---	---	26
27	---	---	0.112B	4.62	6.20	0.507	5.75	1.25	0.477	0.246	---	---	27
28	---	---	0.103B	5.12	4.78	0.505	4.00	1.36	0.620	0.191	---	---	28
29	---		0.115B	4.60	4.06	0.503	2.94	1.29	0.918	0.176	---	---	29
30	---		0.127B	4.16	3.49	0.506	2.25	1.83	0.822	0.232	---	---	30
31	---		0.122B		3.05		1.79	2.29		0.197		---	31
TOTAL	---	---	3.326	28.895	220.97	49.705	193.639	97.647	26.241	10.694	---	---	TOTAL
MEAN	---	---	0.107	0.963	7.13	1.66	6.25	3.15	0.875	0.345	---	---	MEAN
MAX	---	---	0.151	5.12	18.0	3.67	39.6	18.6	2.04	0.736	---	---	MAX
MIN	---	---	0.084	0.133	2.15	0.503	0.709	0.895	0.477	0.176	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 39.6 ON JUL 15
MINIMUM DAILY, 0.088B ON MAR 8
MAXIMUM INSTANTANEOUS,
78.4 AT 07:00 MST ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 00 N
LONG 115 28 00 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 700
FEB	---	AUG	8 440
MAR	287	SEP	2 270
APR	2 500	OCT	924
MAY	19 100	NOV	---
JUN	4 290	DEC	---

TOTAL DISCHARGE, 54 500 dam³

SYLVAN LAKE AT SYLVAN LAKE - STATION NO. 05CC003

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	936.449	936.468	936.614	---	---	---	936.511	---	1
2	---	---	---	---	---	936.469	---	---	---	---	---	---	2
3	---	---	---	---	936.449	---	936.617	936.645	---	---	---	---	3
4	---	---	---	---	---	936.479	---	---	---	---	---	---	4
5	---	---	---	---	936.449	---	936.623	---	---	---	---	---	5
6	---	---	---	---	---	936.484	---	---	---	---	---	---	6
7	---	---	---	---	936.449	---	936.625	---	---	---	---	---	7
8	---	---	---	---	---	936.489	936.632	---	---	---	---	---	8
9	---	---	---	---	936.449	---	936.628	---	---	---	---	---	9
10	---	---	936.254	---	---	936.497	---	---	---	---	---	---	10
11	---	---	---	---	936.454	---	936.627	---	---	---	---	---	11
12	---	---	---	---	---	936.499	---	---	---	---	---	---	12
13	---	---	---	---	936.454	---	936.627	---	---	---	---	---	13
14	---	---	---	---	---	936.498	---	---	---	---	---	---	14
15	---	---	---	---	936.454	---	936.627	---	---	---	---	---	15
16	---	---	---	---	---	936.498	---	---	936.575	---	---	---	16
17	---	---	---	---	936.456	---	936.627	---	---	---	---	---	17
18	---	---	---	---	---	936.498	---	---	---	---	---	---	18
19	---	---	---	---	936.456	---	---	---	---	---	---	---	19
20	---	---	---	---	---	936.498	---	---	---	---	---	---	20
21	---	---	---	---	936.459	---	---	---	---	---	---	---	21
22	---	---	---	---	---	936.521	---	---	---	---	---	---	22
23	---	---	---	---	936.461	---	---	---	---	---	---	---	23
24	---	---	---	---	---	936.553	---	---	---	---	---	---	24
25	---	---	---	---	936.465	---	---	---	---	---	---	---	25
26	---	---	---	---	---	936.573	---	---	---	---	---	---	26
27	---	---	---	---	936.469	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	936.469	---	936.667	---	---	---	---	---	29
30	---		---	---	---	936.603	---	---	---	---	---	---	30
31	---		---		936.469		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 18 35 N
LONG 114 05 55 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.103	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.082	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.059	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.045E	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.030A	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.028E	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.027E	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.026E	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.025E	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.030E	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.034E	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.035E	0	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.037E	0	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.040E	0	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.050E	0	0	0	0	0	---	---	15
16	---	---	0B	0 B	0.046E	0	0	0	0	0	---	---	16
17	---	---	0B	0 B	0.040E	0	0	0	0	0	---	---	17
18	---	---	0B	0 B	0.034E	0	0	0	0	0	---	---	18
19	---	---	0B	0.003B	0.025A	0	0	0	0	0	---	---	19
20	---	---	0B	0.030B	0.019	0	0	0	0	0	---	---	20
21	---	---	0B	0.250B	0.008	0	0	0	0	0	---	---	21
22	---	---	0B	1.53 B	0.002	0	0	0	0	0	---	---	22
23	---	---	0B	1.42 A	0.001	0	0	0	0	0	---	---	23
24	---	0B	0B	0.759	0.001	0	0	0	0	0	---	---	24
25	---	0B	0B	0.521	0.001	0	0	0	0	0	---	---	25
26	---	0B	0B	0.316	0.001	0	0	0	0	0	---	---	26
27	---	0B	0B	0.232	0.002	0	0	0	0	0	---	---	27
28	---	0B	0B	0.193	0	0	0	0	0	0	---	---	28
29	---		0B	0.177	0	0	0	0	0	0	---	---	29
30	---		0B	0.146	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	5.577	0.831	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.186	0.027	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.53	0.103	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 1.53B ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.26A AT 19:00 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 16 N
LONG 116 14 55 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	482	OCT	0
MAY	71.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 554 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0.490E	0.010E	0.195E	0.012E	0.003E	0.005E	---	---	1
2	---	---	0 B	0 B	0.412	0.008	0.205E	0.010	0.001E	0.005E	---	---	2
3	---	---	0 B	0 B	0.350E	0.007	0.215E	0.009E	0.001E	0.010E	---	---	3
4	---	---	0 B	0.130B	0.300E	0.007E	0.240E	0.007E	0.001E	0.015E	---	---	4
5	---	---	0 B	0.090B	0.250E	0.007E	0.300E	0.005	0.010E	0.030E	---	---	5
6	---	---	0 B	0.058B	0.200E	0.010E	0.479	0.005E	0.030E	0.080E	---	---	6
7	---	---	0 B	0.035B	0.150E	0.019	0.370E	0.005E	0.020E	0.040E	---	---	7
8	---	---	0 B	0.014B	0.110E	0.032	0.340E	0.005E	0.015E	0.020E	---	---	8
9	---	---	0 B	0.006B	0.070E	0.037	0.302	0.005	0.012E	0.010E	---	---	9
10	---	---	0 B	0.001B	0.050E	0.040E	0.270E	0.003E	0.009E	0.005E	---	---	10
11	---	---	0 B	1.68 B	0.035E	0.050E	0.230E	0.002E	0.006	0.002E	---	---	11
12	---	---	0 B	1.62 B	0.025E	0.060	0.200E	0.010E	0.005E	0.001E	---	---	12
13	---	---	0 B	3.31	0.020E	0.040E	0.150E	0.065E	0.004E	0.001E	---	---	13
14	---	---	0 B	9.23	0.015E	0.030E	0.100E	0.040E	0.003E	0.001E	---	---	14
15	---	---	0 B	3.52	0.010E	0.020E	0.050E	0.020E	0.002E	0.001E	---	---	15
16	---	---	0 B	2.37	0.008E	0.015E	0.015E	0.018E	0.002	0.001E	---	---	16
17	---	---	0 B	2.30 E	0.006	0.011E	0.003	0.015E	0.002E	0.010E	---	---	17
18	---	---	0 B	2.24	0.010E	0.009E	0.004E	0.012E	0.002E	0.018	---	---	18
19	---	---	0 B	2.07	0.015E	0.007E	0.006E	0.010E	0.002E	0.010E	---	---	19
20	---	---	0 B	0.913	0.020E	0.005E	0.008E	0.006	0.001E	0.005E	---	---	20
21	---	---	0 B	0.853	0.015E	0.004E	0.010	0.007E	0.001E	0.003E	---	---	21
22	---	---	0 B	0.933	0.011	0.003E	0.050E	0.004E	0.001E	0.002E	---	---	22
23	---	---	0 B	1.10	0.010E	0.003E	0.040E	0.002E	0.001E	0.010E	---	---	23
24	---	---	0 B	1.71	0.009E	0.002E	0.030E	0.002E	0	0.002E	---	---	24
25	---	---	0 B	1.20 E	0.008E	0.002E	0.020E	0.001E	0	0.005	---	---	25
26	---	---	0 B	0.933	0.007E	0.003E	0.020E	0.001E	0	0.008	---	---	26
27	---	---	0 B	0.805	0.014	0.004E	0.020E	0.001E	0	0.005E	---	---	27
28	---	---	0 B	0.740E	0.020E	0.008E	0.015E	0.011	0	0.003E	---	---	28
29	---		0.012B	0.670E	0.025E	0.020E	0.008	0.008E	0.002E	0.002E	---	---	29
30	---		0.015B	0.600E	0.020E	0.168	0.020E	0.006E	0.005E	0.001E	---	---	30
31	---		0.005B		0.014		0.015E	0.004		0.001E		---	31
TOTAL	---	---	0.032	39.131	2.699	0.641	3.930	0.311	0.141	0.312	---	---	TOTAL
MEAN	---	---	0.001	1.30	0.087	0.021	0.127	0.010	0.005	0.010	---	---	MEAN
MAX	---	---	0.015	9.23	0.490	0.168	0.479	0.065	0.030	0.080	---	---	MAX
MIN	---	---	0	0	0.006	0.002	0.003	0.001	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 9.23 ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 59 10 N
LONG 113 34 04 W
DRAINAGE AREA, 197 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	340
FEB	---	AUG	26.9
MAR	2.76	SEP	12.2
APR	3 380	OCT	27.0
MAY	233	NOV	---
JUN	55.4	DEC	---

TOTAL DISCHARGE, 4 080 dam³

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.17 B	2.50	0.165	0.130	0.102	0.064	0.075	---	---	1
2	---	---	0 B	0.968B	2.34	0.148	0.317	0.096	0.063	0.061	---	---	2
3	---	---	0 B	0.875B	2.02	0.123	0.326	0.079	0.063	0.072	---	---	3
4	---	---	0 B	0.596B	1.77	0.105	0.340	0.064	0.138	0.105	---	---	4
5	---	---	0 B	0.564B	1.46	0.102	0.327	0.093	0.205	0.134	---	---	5
6	---	---	0 B	0.499B	1.09	0.098	0.388	0.089	0.130	0.128	---	---	6
7	---	---	0 B	0.334B	0.934	0.087	0.340	0.061	0.098	0.407	---	---	7
8	---	---	0 B	0.355B	0.781	0.068	0.440	0.050	0.104	0.482	---	---	8
9	---	---	0 B	0.902B	0.693	0.056	0.418	0.133	0.086	0.407	---	---	9
10	---	---	0 B	4.89 B	0.523	0.047	0.319	0.108	0.074	0.279	---	---	10
11	---	---	0 B	9.49 B	0.377	0.054	0.247	0.085	0.077	0.164	---	---	11
12	---	---	0 B	9.41 B	0.295	0.039	0.236	0.066	0.070	0.112	---	---	12
13	---	---	0 B	11.9 B	0.285	0.033	0.184	0.052	0.102	0.096	---	---	13
14	---	---	0 B	14.9 B	0.262	0.025	0.126	0.045	0.089	0.092	---	---	14
15	---	---	0 B	11.3 B	0.231	0.027	0.120	0.052	0.084	0.084	---	---	15
16	---	---	0 B	6.81 B	0.214	0.151	0.195	0.044	0.101	0.080	---	---	16
17	---	---	0 B	6.10 B	0.202	0.237	0.287	0.040	0.088	0.102	---	---	17
18	---	---	0 B	9.37	0.210	0.116	0.320	0.041	0.091	0.098	---	---	18
19	---	---	0 B	11.5	0.269	0.069	0.292	0.043	0.054	0.087	---	---	19
20	---	---	0 B	9.16	0.219	0.056	0.283	0.038	0.046	0.097	---	---	20
21	---	---	0.020B	7.12	0.189	0.035	0.217	0.039	0.040	0.103	---	---	21
22	---	---	0.080B	5.79	0.179	0.037	0.160	0.042	0.072	0.097	---	---	22
23	---	---	0.188B	4.78	0.216	0.037	0.125	0.039	0.065	0.099	---	---	23
24	---	---	0.500B	3.84	0.158	0.036	0.104	0.040	0.052	0.101	---	---	24
25	---	---	1.60 B	3.25	0.161	0.042	0.122	0.043	0.075	0.103A	---	---	25
26	---	---	2.60 B	2.89	0.168	0.044	0.105	0.065	0.287	0.100E	---	---	26
27	---	---	3.60 B	2.81	0.287	0.041	0.086	0.076	0.220	0.095E	---	---	27
28	---	---	4.19 B	2.96	0.221	0.099	0.094	0.070	0.182	0.095E	---	---	28
29	---		3.35 B	2.87	0.240	0.116	0.083	0.058	0.185	0.090E	---	---	29
30	---		3.36 B	2.53	0.199	0.107	0.072	0.057	0.104	0.085E	---	---	30
31	---		2.28 B		0.150		0.081	0.067		0.080E		---	31
TOTAL	---	---	21.768	149.133	18.843	2.396	6.844	1.977	3.069	4.220	---	---	TOTAL
MEAN	---	---	0.702	4.97	0.608	0.080	0.221	0.064	0.102	0.136	---	---	MEAN
MAX	---	---	4.19	14.9	2.50	0.237	0.440	0.133	0.287	0.492	---	---	MAX
MIN	---	---	0	0.334	0.150	0.025	0.072	0.038	0.040	0.061	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.850
MAXIMUM DAILY, 14.9B ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.8B AT 17:54 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 113 04 18 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	591
FEB	---	AUG	171
MAR	1 880	SEP	265
APR	12 900	OCT	365
MAY	1 630	NOV	---
JUN	207	DEC	---

TOTAL DISCHARGE, 18 000 dam³

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.008B	0.034B	1.05	2.84	8.47	0.611	0.214	0.686	0.312B	---	1
2	---	---	0.008B	0.036B	1.17	3.33	6.35	0.527	0.195	0.623	0.322B	---	2
3	---	---	0.008B	0.038B	1.42	3.41	5.17	0.494	0.165	0.605	---	---	3
4	---	---	0.008B	0.040B	1.13	3.29	4.30	0.460	0.184	0.586	---	---	4
5	---	---	0.008B	0.042B	0.908	3.65	4.34	0.433	0.225	0.557	---	---	5
6	---	---	0.009B	0.045B	0.840	5.55	3.86	0.443	0.250	0.539	---	---	6
7	---	---	0.009B	0.055B	0.925	7.27	3.64	0.398	0.228	0.523	---	---	7
8	---	---	0.009B	0.100B	0.778	7.35	3.26	0.357	0.202	0.498	---	---	8
9	---	---	0.009B	0.140B	0.695	7.34	2.88	0.359	0.194	0.471	---	---	9
10	---	---	0.009B	0.200B	0.716	6.59	2.53	0.346	0.210	0.440	---	---	10
11	---	---	0.010B	0.500B	0.696	5.71	2.22	0.301	0.218	0.436	---	---	11
12	---	---	0.010B	1.73 B	0.909	4.69	1.97	0.269	0.248	0.421	---	---	12
13	---	---	0.010B	4.15 B	0.985	3.95	2.12	0.247	0.249	0.399	---	---	13
14	---	---	0.010B	6.83 B	1.06	3.46	1.87	0.232	0.260	0.374	---	---	14
15	---	---	0.010B	2.51 B	1.28	3.15	1.64	0.227	0.273	0.349	---	---	15
16	---	---	0.010B	2.13 B	1.44	3.33	1.53	0.219	0.297	0.338	---	---	16
17	---	---	0.011B	1.56 B	1.56	3.53	1.41	0.199	0.298	0.344	---	---	17
18	---	---	0.011B	1.92 B	1.46	2.91	1.28	0.170	0.311	0.376	---	---	18
19	---	---	0.012B	1.41 B	1.40	2.58	1.17	0.138	0.295	0.373	---	---	19
20	---	---	0.012B	1.26 B	1.25	2.36	1.11	0.124	0.291	0.359	---	---	20
21	---	---	0.013B	1.24 B	1.27	2.21	1.15	0.118	0.280	0.345	---	---	21
22	---	---	0.014B	2.68 B	1.18	2.10	1.04	0.103	0.288	0.336	---	---	22
23	---	---	0.020B	2.20 B	1.21	2.43	0.906	0.097	0.288	0.331	---	---	23
24	---	---	0.025B	1.78 B	1.18	2.46	0.806	0.115	0.303	0.340	---	---	24
25	---	---	0.031B	1.14 B	1.21	3.27	0.911	0.131	0.340	0.350	---	---	25
26	---	---	0.029B	1.18	1.22	2.80	1.70	0.184	0.516	0.397	---	---	26
27	---	---	0.027B	1.10	1.49	3.22	1.44	0.204	1.07	0.360	---	---	27
28	---	---	0.028B	1.23	1.53	11.4	1.10	0.213	0.903	0.348	---	---	28
29	---		0.029B	1.24	2.12	10.1	0.893	0.229	0.840	0.364	---	---	29
30	---		0.030B	1.07	2.19	14.3	0.776	0.230	0.786	0.339B	---	---	30
31	---		0.032B		2.28		0.710	0.231		0.324B		---	31
TOTAL	---	---	0.469	39.590	38.548	140.58	72.552	8.409	10.421	13.131	---	---	TOTAL
MEAN	---	---	0.015	1.32	1.24	4.69	2.34	0.271	0.347	0.424	---	---	MEAN
MAX	---	---	0.032	6.83	2.28	14.3	8.47	0.611	1.07	0.686	---	---	MAX
MIN	---	---	0.008	0.034	0.695	2.10	0.710	0.097	0.165	0.324	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 14.3 ON JUN 30
MINIMUM DAILY, 0.008B ON MAR 1
MAXIMUM INSTANTANEOUS,
18.1 AT 07:12 MST ON JUN 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 46 14 N
LONG 114 16 39 W
DRAINAGE AREA, 585 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 270
FEB	---	AUG	727
MAR	40.5	SEP	900
APR	3 420	OCT	1 130
MAY	3 330	NOV	---
JUN	12 100	DEC	---

TOTAL DISCHARGE, 27 900 dam³

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.235B	0.524	0.426	0.740	0.165	0.067	0.088	0.066E	---	1
2	---	---	---	0.230B	0.479	0.382	0.610	0.175	0.064	0.071	0.092E	---	2
3	---	---	---	0.225B	0.450	0.520	0.515	0.178	0.052	0.056	0.119E	---	3
4	---	---	---	0.220B	0.430	0.506	0.484	0.173	0.047	0.053	0.145	---	4
5	---	---	---	0.225B	0.386	0.570	0.511	0.117	0.068	0.050	---	---	5
6	---	---	---	0.240B	0.422	1.38	0.426	0.058	0.086	0.047	---	---	6
7	---	---	---	0.250B	0.446	1.21	0.418	0.053	0.079	0.044	---	---	7
8	---	---	---	0.280B	0.488	0.868	0.410	0.107	0.061	0.041	---	---	8
9	---	---	---	0.600B	0.482	0.650	0.410	0.099	0.017	0.040	---	---	9
10	---	---	---	1.00 B	0.450	0.640	0.374	0.091	0.009	0.040	---	---	10
11	---	---	---	1.34 B	0.438	0.640	0.358	0.088	0.047	0.046	---	---	11
12	---	---	---	1.45 B	0.426	0.650	0.343	0.091	0.058	0.055	---	---	12
13	---	---	---	1.34 B	0.430	0.533	0.343	0.105	0.109	0.052	---	---	13
14	---	---	---	1.26 B	0.426	0.570	0.336	0.115	0.113	0.071	---	---	14
15	---	---	---	1.17 B	0.434	3.23	0.326	0.103	0.107	0.070	---	---	15
16	---	---	---	1.03 B	0.438	0.796	0.312	0.099	0.103	0.073	---	---	16
17	---	---	---	0.900B	0.434	0.740	0.294	0.094	0.092	0.073	---	---	17
18	---	---	---	0.780B	0.418	0.725	0.287	0.094	0.082	0.076	---	---	18
19	---	---	---	0.660B	0.438	0.715	0.280	0.091	0.070	0.079	---	---	19
20	---	---	---	0.580B	0.398	0.660	0.270	0.086	0.061	0.082	---	---	20
21	---	---	---	0.860B	0.358	0.640	0.263	0.083	0.050	0.086	---	---	21
22	---	---	---	1.20	0.350	0.580	0.227	0.080	0.038	0.089	---	---	22
23	---	---	---	2.26	0.347	0.590	0.188	0.074	0.037	0.086	---	---	23
24	---	---	---	1.19	0.343	0.595	0.180	0.076	0.067	0.092	---	---	24
25	---	---	---	0.655	0.336	0.655	0.180	0.080	0.082	0.095	---	---	25
26	---	---	---	0.685	0.354	0.725	0.221	0.082	0.095	0.071	---	---	26
27	---	---	---	0.880	0.640	0.745	0.183	0.086	0.115	0.064	---	---	27
28	---	---	---	0.826	0.655	0.695	0.183	0.082	0.135	0.049	---	---	28
29	---		---	0.390	0.645	0.695	0.218	0.165	0.109	0.046	---	---	29
30	---		---	0.454	0.551	1.33	0.061	0.079	0.121	0.043	---	---	30
31	---		---		0.466		0.160	0.074		0.040		---	31
TOTAL	---	---	---	23.415	13.862	23.661	10.111	3.153	2.241	1.968	---	---	TOTAL
MEAN	---	---	---	0.781	0.447	0.789	0.326	0.102	0.075	0.063	---	---	MEAN
MAX	---	---	---	2.26	0.655	3.23	0.740	0.178	0.135	0.095	---	---	MAX
MIN	---	---	---	0.220	0.336	0.382	0.061	0.053	0.009	0.040	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.299
MAXIMUM DAILY, 3.23 ON JUN 15
MINIMUM DAILY, 0.009 ON SEP 10

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 27 N
LONG 114 07 37 W
DRAINAGE AREA, 144 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	874
FEB	---	AUG	272
MAR	---	SEP	194
APR	2 020	OCT	170
MAY	1 200	NOV	---
JUN	2 040	DEC	---

TOTAL DISCHARGE, 6 750 dam³

TODD CREEK NEAR HIGHWAY NO. 22 - STATION NO. 05AA909

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.668	0.356	0.767	---	---	0.114	---	---	1
2	---	---	---	---	0.780	0.354	0.605	---	---	0.104	---	---	2
3	---	---	---	---	0.770	0.531	0.518	---	0.078	0.106	---	---	3
4	---	---	---	---	0.442	0.500	0.450	---	0.113	0.093	---	---	4
5	---	---	---	---	0.345	0.483	0.450	---	0.139	0.091	---	---	5
6	---	---	---	---	0.343	0.820	0.438	---	0.097	0.094	---	---	6
7	---	---	---	---	0.330	1.24	0.397	---	0.083	0.089	---	---	7
8	---	---	---	---	0.348	0.883	0.395	---	0.075	0.085	---	---	8
9	---	---	---	---	0.343	0.652	0.377	---	0.075	0.086	---	---	9
10	---	---	---	---	0.284	0.646	0.354	---	0.077	0.091	---	---	10
11	---	---	---	---	0.322	0.573	0.330	---	0.079	0.089	---	---	11
12	---	---	---	---	0.350	0.526	0.384	---	0.088	0.092	---	---	12
13	---	---	---	---	0.358	0.488	0.335	---	0.145	0.094	---	---	13
14	---	---	---	---	0.368	0.526	0.342	---	0.128	0.092	---	---	14
15	---	---	---	---	0.379	0.592	0.338	---	0.115	0.094	---	---	15
16	---	---	---	---	0.407	0.876	0.363	---	0.110	0.089	---	---	16
17	---	---	---	---	0.384	0.746	0.348	---	0.101	0.090	---	---	17
18	---	---	---	---	0.395	0.650	0.297	---	0.089	0.105	---	---	18
19	---	---	---	---	0.412	0.594	0.276	---	0.086	0.094	---	---	19
20	---	---	---	---	0.376	0.588	0.277	---	0.085	0.107	---	---	20
21	---	---	---	---	0.328	0.576	0.257	---	0.082	0.106	---	---	21
22	---	---	---	---	0.318	0.526	0.231	---	0.079	0.118	---	---	22
23	---	---	---	---	0.354	0.553	0.218	---	0.079	0.226	---	---	23
24	---	---	---	---	0.305	0.824	0.220	---	0.079	0.155	---	---	24
25	---	---	---	---	0.304	0.989	0.221	---	0.079	0.123	---	---	25
26	---	---	---	---	0.364	0.761	---	---	0.163	0.110A	---	---	26
27	---	---	---	---	0.577	0.871	---	---	0.142	0.099E	---	---	27
28	---	---	---	---	0.701	0.730	---	---	0.145	0.099E	---	---	28
29	---		---	---	0.582	0.907	---	---	0.157	0.099E	---	---	29
30	---		---	---	0.474	1.53	---	---	0.137	0.099E	---	---	30
31	---		---		0.406		---	---		0.099E		---	31
TOTAL	---	---	---	---	13.117	20.891	---	---	---	3.231	---	---	TOTAL
MEAN	---	---	---	---	0.423	0.696	---	---	---	0.104	---	---	MEAN
MAX	---	---	---	---	0.780	1.53	---	---	---	0.226	---	---	MAX
MIN	---	---	---	---	0.284	0.354	---	---	---	0.085	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 40 N
LONG 114 14 00 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	279
MAY	1 130	NOV	---
JUN	1 800	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TOUCH CREEK NEAR BRAZEAU - STATION NO. 05AE039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.566E	0.684	0.345	0.030	0.023	0.076	---	---	1
2	---	---	---	---	0.566E	0.725	0.337	0.030	0.023	0.075	---	---	2
3	---	---	---	---	0.564A	0.779	0.244	0.031	0.023	0.081	---	---	3
4	---	---	---	---	0.382	0.659	0.222	0.031	0.025	0.070	---	---	4
5	---	---	---	---	0.295	0.646	0.207	0.032	0.025	0.058	---	---	5
6	---	---	---	---	0.311	0.810	0.202	0.031	0.024	0.052	---	---	6
7	---	---	---	---	0.329	0.836	0.182	0.028	0.026	0.053	---	---	7
8	---	---	---	---	0.341	0.709	0.169	0.027	0.026	0.054	---	---	8
9	---	---	---	---	0.391	0.621	0.157	0.029	0.023	0.054	---	---	9
10	---	---	---	---	0.383	0.526	0.145	0.036	0.026	0.052	---	---	10
11	---	---	---	---	0.373	0.515	0.131	0.028	0.027	0.049	---	---	11
12	---	---	---	---	0.309	0.482	0.124	0.026	0.028	0.050	---	---	12
13	---	---	---	---	0.358	0.421	0.119	0.023	0.029	0.053	---	---	13
14	---	---	---	---	0.375	0.385	0.125	0.024	0.028	0.053	---	---	14
15	---	---	---	---	0.437	0.365	0.112	0.023	0.028	0.054	---	---	15
16	---	---	---	---	0.424	0.438	0.111	0.021	0.028	0.054	---	---	16
17	---	---	---	---	0.387	0.384	0.117	0.020	0.027	0.060	---	---	17
18	---	---	---	---	0.403	0.335	0.088	0.023	0.027	0.072	---	---	18
19	---	---	---	---	0.494	0.311	0.081	0.024	0.027	0.074	---	---	19
20	---	---	---	---	0.384	0.284	0.074	0.027	0.027	0.075	---	---	20
21	---	---	---	---	0.342	0.274	0.079	0.027	0.027	0.078	---	---	21
22	---	---	---	---	0.322	0.253	0.067	0.024	0.027	0.072	---	---	22
23	---	---	---	---	0.308	0.261	0.062	0.024	0.027	0.074	---	---	23
24	---	---	---	---	0.273	0.240	0.057	0.023	0.027	0.078	---	---	24
25	---	---	---	---	0.261	0.252	0.050	0.022	0.027	0.079	---	---	25
26	---	---	---	---	0.254	0.245	0.059	0.023	0.029	0.079	---	---	26
27	---	---	---	---	0.318	0.228	0.046	0.025	0.034	0.079A	---	---	27
28	---	---	---	---	0.449	0.233	0.041	0.024	0.057	0.079E	---	---	28
29	---		---	---	0.416	0.298	0.037	0.022	0.064	0.079E	---	---	29
30	---		---	---	0.423	0.540	0.037	0.024	0.067	0.079E	---	---	30
31	---		---		0.592		0.032	0.024		0.079E		---	31
TOTAL	---	---	---	---	12.030	13.739	3.859	0.806	0.902	2.070	---	---	TOTAL
MEAN	---	---	---	---	0.388	0.458	0.124	0.026	0.030	0.067	---	---	MEAN
MAX	---	---	---	---	0.592	0.836	0.345	0.036	0.067	0.081	---	---	MAX
MIN	---	---	---	---	0.254	0.228	0.032	0.020	0.023	0.049	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.182
MAXIMUM DAILY, 0.836 ON JUN 7
MINIMUM DAILY, 0.020 ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 00 N
LONG 113 32 00 W
DRAINAGE AREA, 36.0 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	333
FEB	---	AUG	69.6
MAR	---	SEP	77.9
APR	---	OCT	179
MAY	1 040	NOV	---
JUN	1 190	DEC	---

TOTAL DISCHARGE, 2 890 dam³

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.00 B	2.35	2.85	0.744	0.509	0.760E	0.500E	---	1
2	---	---	---	---	1.18	2.85	2.61	0.744	0.492	0.755E	0.455B	---	2
3	---	---	---	---	1.14	3.04	2.37	0.718	0.477	0.745E	---	---	3
4	---	---	---	---	0.863	3.05	2.19	0.697	0.608	0.740E	---	---	4
5	---	---	---	---	0.767	3.19	2.19	0.688	0.565	0.730E	---	---	5
6	---	---	---	---	0.719	3.26	2.08	0.675	0.534	0.710E	---	---	6
7	---	---	---	---	0.666	2.95	2.01	0.654	0.513	0.690E	---	---	7
8	---	---	---	---	0.604	2.86	1.93	0.632	0.507	0.670E	---	---	8
9	---	---	---	---	0.566	3.54	1.74	0.632	0.496	0.640E	---	---	9
10	---	---	---	---	0.571	3.95	1.59	0.623	0.531	0.600E	---	---	10
11	---	---	---	---	0.657	3.98	1.49	0.615	0.504	0.570E	---	---	11
12	---	---	---	---	0.775	3.94	1.41	0.597	0.508	0.560E	---	---	12
13	---	---	---	---	0.711	3.89	1.35	0.586	0.543	0.550E	---	---	13
14	---	---	---	---	0.886	3.98	1.28	0.586	0.503	0.540E	---	---	14
15	---	---	---	---	1.18	3.98	1.23	0.573	0.517	0.530E	---	---	15
16	---	---	---	---	1.32	3.81	1.18	0.565	0.537	0.530E	---	---	16
17	---	---	---	---	1.33	3.46	1.13	0.546	0.516	0.530E	---	---	17
18	---	---	---	---	1.48	3.07	1.09	0.534	0.535	0.510E	---	---	18
19	---	---	---	---	1.36	2.99	1.04	0.527	0.549	0.490E	---	---	19
20	---	---	---	---	1.11	3.01	1.09	0.530	0.538	0.510E	---	---	20
21	---	---	---	---	1.33	2.82	1.03	0.519	0.539	0.530E	---	---	21
22	---	---	---	---	1.43	2.70	0.973	0.508	0.523	0.540E	---	---	22
23	---	---	---	---	1.69	2.55	0.934	0.541	0.515	0.550E	---	---	23
24	---	---	---	---	1.52	2.35	0.918	0.529	0.510	0.540E	---	---	24
25	---	---	---	---	2.02	2.56	0.941	0.513	0.505	0.530E	---	---	25
26	---	---	---	---	1.85	2.42	0.912	0.688	0.815	0.525E	---	---	26
27	---	---	---	0.876B	1.46	2.59	0.859	0.581	0.737	0.520E	---	---	27
28	---	---	---	0.900B	1.25	2.57	0.844	0.536	0.774	0.520E	---	---	28
29	---		---	0.950B	1.27	2.68	0.833	0.532	0.785A	0.510E	---	---	29
30	---		---	0.970B	1.34	3.22	0.791	0.515	0.770B	0.510E	---	---	30
31	---		---		1.49		0.771	0.502		0.510E		---	31
TOTAL	---	---	---	---	35.535	93.59	43.656	18.430	16.955	18.145	---	---	TOTAL
MEAN	---	---	---	---	1.15	3.12	1.41	0.595	0.565	0.585	---	---	MEAN
MAX	---	---	---	---	2.02	3.98	2.85	0.744	0.815	0.760	---	---	MAX
MIN	---	---	---	---	0.566	2.35	0.771	0.502	0.477	0.490	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 3.98 ON JUN 11
MINIMUM DAILY, 0.477 ON SEP 3
MAXIMUM INSTANTANEOUS,
4.83 AT 22:33 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 36 N
LONG 114 35 28 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 770
FEB	---	AUG	1 590
MAR	---	SEP	1 460
APR	---	OCT	1 570
MAY	3 070	NOV	---
JUN	8 090	DEC	---

TOTAL DISCHARGE, 19 600 dam³

TROUT CREEK NEAR GRANUM - STATION NO. 05AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.280B	0.388	0.127	1.10	0.171	0.073	0.165	0.099A	---	1
2	---	---	0 B	0.190B	0.297	0.119	0.771	0.166	0.048	0.130	---	---	2
3	---	---	0 B	0.160B	0.275	0.114	0.680	0.163	0.038	0.105	---	---	3
4	---	---	0 B	0.135B	0.244	0.132	0.633	0.154	0.073	0.100	---	---	4
5	---	---	0 B	0.125B	0.214	0.778	0.633	0.158	0.113	0.095	---	---	5
6	---	---	0 B	0.130B	0.201	1.82	0.649	0.150	0.118	0.091	---	---	6
7	---	---	0 B	0.109B	0.209	1.14	0.641	0.141	0.088	0.084	---	---	7
8	---	---	0 B	0.105B	0.219	0.873	0.600	0.133	0.049	0.078	---	---	8
9	---	---	0 B	0.110B	0.211	0.672	0.558	0.160	0.038	0.076	---	---	9
10	---	---	0.005B	0.270B	0.205	0.607	0.549	0.200	0.031	0.071	---	---	10
11	---	---	0.025B	0.700B	0.189	0.638	0.511	0.182	0.040	0.083	---	---	11
12	---	---	0.075B	1.35 B	0.179	0.585	0.476	0.148	0.050	0.086	---	---	12
13	---	---	0.110B	1.20 B	0.170	0.558	0.678	0.131	0.075	0.078	---	---	13
14	---	---	0.135B	1.10 B	0.147	0.529	0.582	0.124	0.097	0.082	---	---	14
15	---	---	0.150B	1.02	0.149	0.563	0.492	0.121	0.100	0.105	---	---	15
16	---	---	0.155B	0.775	0.131	0.565	0.511	0.108	0.089	0.113	---	---	16
17	---	---	0.149B	0.689	0.135	0.582	0.516	0.100	0.083	0.089	---	---	17
18	---	---	0.140B	0.654	0.140	0.556	0.464	0.088	0.053	0.097	---	---	18
19	---	---	0.125B	0.541	0.177	0.517	0.421	0.075	0.045	0.114	---	---	19
20	---	---	0.120B	0.447	0.172	0.494	0.390	0.054	0.047	0.107	---	---	20
21	---	---	0.115B	0.537	0.142	0.495	0.373	0.056	0.038	0.115	---	---	21
22	---	---	0.116B	0.819	0.126	0.514	0.349	0.056	0.043	0.111	---	---	22
23	---	---	0.140B	0.918	0.107	0.562	0.312	0.079	0.063	0.093	---	---	23
24	---	---	0.169B	0.843	0.098	0.602	0.316	0.080	0.066	0.093	---	---	24
25	---	---	0.260B	0.554	0.082	0.593	0.302	0.082	0.051	0.092	---	---	25
26	---	---	0.420B	0.489	0.100	0.585	0.314	0.126	0.059	0.098	---	---	26
27	---	---	0.920B	0.502	0.197	0.580	0.305	0.188	0.141	0.104	---	---	27
28	---	---	1.10 B	0.459	0.318	0.644	0.274	0.169	0.211	0.108	---	---	28
29	---		0.980B	0.414	0.266	0.688	0.244	0.148	0.220	0.107	---	---	29
30	---		0.780B	0.350	0.196	1.30	0.194	0.123	0.199	0.113	---	---	30
31	---		0.342B		0.161		0.178	0.107		0.113		---	31
TOTAL	---	---	6.531	15.965	5.765	18.532	15.024	3.933	2.419	3.096	---	---	TOTAL
MEAN	---	---	0.211	0.532	0.186	0.618	0.485	0.127	0.081	0.100	---	---	MEAN
MAX	---	---	1.10	1.35	0.318	1.82	1.10	0.200	0.220	0.165	---	---	MAX
MIN	---	---	0	0.105	0.082	0.114	0.178	0.054	0.031	0.071	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.291
MAXIMUM DAILY, 1.82 ON JUN 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.21 AT 00:30 MST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 35 N
LONG 113 41 07 W
DRAINAGE AREA, 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 300
FEB	---	AUG	340
MAR	564	SEP	209
APR	1 380	OCT	267
MAY	498	NOV	---
JUN	1 600	DEC	---

TOTAL DISCHARGE, 6 160 dam³

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.200	0	0.006	0.023	0.076	0.095	---	---	1
2	---	---	---	---	0.221	0	0.017	0.002	0.093	0.051	---	---	2
3	---	---	---	---	0.140	0	0.008	0.056	0.117	0.059	---	---	3
4	---	---	---	---	0.006	0	0.005	0.085	0.119	0.041	---	---	4
5	---	---	---	---	0.001	0	0.008	0.124	0.117	0.041	---	---	5
6	---	---	---	---	0.001	0	0.005	0.116	0.102	0.030	---	---	6
7	---	---	---	---	0.012	0.002	0.003	0.108	0.045	0.035	---	---	7
8	---	---	---	---	0.011	0.002	0.002	0.121	0.051	0.059	---	---	8
9	---	---	---	---	0.007	0.001	0	0.105	0.045	0.073	---	---	9
10	---	---	---	---	0.006	0	0	0.110	0.047	0.088	---	---	10
11	---	---	---	---	0.003	0	0	0.102	0.061	0.093	---	---	11
12	---	---	---	---	0.002	0	0	0.098	0.042	0.072	---	---	12
13	---	---	---	---	0.002	0	0	0.098	0.040	0.014	---	---	13
14	---	---	---	---	0.002	0	0	0.101	0.043	0.013	---	---	14
15	---	---	---	---	0.001	0	0	0.101	0.043	0.055	---	---	15
16	---	---	---	---	0.004	0	0	0.108	0.048	0.027	---	---	16
17	---	---	---	---	0.002	0.005	0	0.110	0.040	0.019	---	---	17
18	---	---	---	---	0.154	0.002	0	0.132	0.015	0.012	---	---	18
19	---	---	---	---	0.328	0	0	0.149	0.061	0.012	---	---	19
20	---	---	---	0.008A	0.059	0	0	0.144	0.055	0.020	---	---	20
21	---	---	---	0.010	0.002	0	0.004	0.146	0.056	0.026	---	---	21
22	---	---	---	0.006	0	0	0.029	0.142	0.006	0.025	---	---	22
23	---	---	---	0.037	0	0.004	0.065	0.133	0.037	0.006	---	---	23
24	---	---	---	0.012	0	0.007	0.071	0.132	0.049	0.006	---	---	24
25	---	---	---	0.005	0	0.006	0.053	0.142	0.100	0.017	---	---	25
26	---	---	---	0	0	0.006	0.036	0.135	0.096	0.015	---	---	26
27	---	---	---	0.016	0.019	0.022	0.026	0.134	0.054	0.020	---	---	27
28	---	---	---	0.021	0.012	0.031	0.026	0.106	0.084	0.010A	---	---	28
29	---		---	0.012	0.003	0.022	0.065	0.051	0.110	0.010E	---	---	29
30	---		---	0.037	0	0.014	0.061	0.110	0.107	0.010E	---	---	30
31	---		---		0		0.012	0.099		0.010E		---	31
TOTAL	---	---	---	---	1.198	0.124	0.502	3.323	1.959	1.088	---	---	TOTAL
MEAN	---	---	---	---	0.039	0.004	0.016	0.107	0.065	0.035	---	---	MEAN
MAX	---	---	---	---	0.328	0.031	0.071	0.149	0.119	0.095	---	---	MAX
MIN	---	---	---	---	0	0	0	0.002	0.006	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 0.328 ON MAY 19
MINIMUM DAILY, 0 ON MAY 22
MAXIMUM INSTANTANEOUS,
0.590 AT 17:27 MST ON MAY 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 26 N
LONG 113 34 26 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	93.4
FEB	---	AUG	287
MAR	---	SEP	169
APR	---	OCT	94.0
MAY	104	NOV	---
JUN	10.7	DEC	---

TOTAL DISCHARGE, 708 dam³

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.116	3.42	5.01	6.42	4.48	2.57	---	---	1
2	---	---	---	---	0.083	3.19	5.56	6.37	4.39	2.55	---	---	2
3	---	---	---	---	0.010	3.32	5.07	6.67	4.14	2.47	---	---	3
4	---	---	---	---	0.051	3.23	4.96	6.91	4.11	2.48	0.183B	---	4
5	---	---	---	---	0.079	3.31	7.17	7.23	3.95	2.36	---	---	5
6	---	---	---	---	0.129	3.58	7.34	7.51	3.61	2.21	---	---	6
7	---	---	---	---	0.161	3.73	7.18	7.73	3.42	2.30	---	---	7
8	---	---	---	---	0.022	4.04	6.85	7.55	3.22	2.63	---	---	8
9	---	---	---	---	0.027	4.55	6.27	7.35	3.18	2.68	---	---	9
10	---	---	---	---	0.015	4.84	5.83	7.10	3.20	2.76	---	---	10
11	---	---	---	---	0.018	4.63	5.36	7.09	2.84	2.87	---	---	11
12	---	---	---	---	0.057	4.46	5.01	7.04	2.98	3.04	---	---	12
13	---	---	---	---	0.347	4.32	4.80	7.09	2.81	3.23	---	---	13
14	---	---	---	---	0.377	4.21	4.19	6.81	2.64	3.39	---	---	14
15	---	---	---	---	0.611	4.28	4.58	6.77	2.52	3.26	---	---	15
16	---	---	---	---	0.582	4.27	5.28	6.45	2.53E	3.35	---	---	16
17	---	---	---	---	0.845	4.46	5.06	6.10	2.48E	3.65	---	---	17
18	---	---	---	---	0.828	4.47	4.63	5.78	2.42E	3.84	---	---	18
19	---	---	---	---	1.31	4.70	4.52	5.52	2.30E	3.55	---	---	19
20	---	---	---	---	0.900	4.51	4.69	5.24	2.31E	3.26	---	---	20
21	---	---	---	---	0.819	4.52	4.35	4.98	2.24E	2.96	---	---	21
22	---	---	---	---	0.956	4.66	4.09	4.92	2.20A	2.58	---	---	22
23	---	---	---	---	2.03	4.66	4.17	4.69	2.18	2.14	---	---	23
24	---	---	---	---	2.14	4.37	4.21	4.61	2.03	2.19	---	---	24
25	---	---	---	---	2.13	4.33	4.23	4.69	2.09	2.10	---	---	25
26	---	---	---	---	2.59	4.09	5.18	4.64	2.40	1.70	---	---	26
27	---	---	---	0.196A	2.73	3.85	5.15	4.55	2.57	1.61	---	---	27
28	---	---	---	0.087	2.87	3.95	5.75	4.53	2.54	1.17	---	---	28
29	---		---	0.065	3.42	4.04	6.17	4.55	2.62	1.67	---	---	29
30	---		---	0.171	3.12	4.31	6.49	4.48	2.60	1.33A	---	---	30
31	---		---		3.05		6.51	4.50		1.00E		---	31
TOTAL	---	---	---	---	32.419	124.28	165.64	185.83	87.08	78.90	---	---	TOTAL
MEAN	---	---	---	---	1.05	4.14	5.34	5.99	2.90	2.55	---	---	MEAN
MAX	---	---	---	---	3.42	4.84	7.34	7.73	4.48	3.84	---	---	MAX
MIN	---	---	---	---	0.010	3.19	4.09	4.48	2.03	1.00	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.66
MAXIMUM DAILY, 7.73 ON AUG 7
MINIMUM DAILY, 0.010 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 00 N
LONG 111 40 00 W
DRAINAGE AREA, 785 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 300
FEB	---	AUG	16 100
MAR	---	SEP	7 520
APR	---	OCT	6 820
MAY	2 800	NOV	---
JUN	10 700	DEC	---

TOTAL DISCHARGE, 58 200 dam³

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.005	0.004	0.003	0.002	0.003	0.050	0.187	0.041	0.020	0.027	0.014	0.009	1
2	0.004	0.004	0.003	0.002	0.004	0.063	0.171	0.040	0.019	0.027	0.014	0.008	2
3	0.005	0.004	0.003	0.002	0.005	0.078	0.158	0.038	0.019	0.026	0.014	0.008	3
4	0.005	0.004	0.003	0.002	0.005	0.101	0.148	0.037	0.022	0.025	0.014	0.008	4
5	0.003	0.004	0.002	0.002	0.004	0.122	0.137	0.035	0.021	0.022	0.013	0.008	5
6	0.002	0.004	0.002	0.002	0.004	0.118	0.129	0.034	0.020	0.023	0.012	0.008	6
7	0.002	0.003	0.002	0.002	0.004	0.099	0.125	0.033	0.020	0.023	0.012	0.008	7
8	0.003	0.003	0.002	0.002	0.004	0.088	0.121	0.032	0.019	0.022	0.012	0.007	8
9	0.003	0.002	0.002	0.002	0.004	0.088	0.114	0.031	0.020	0.019	0.012	0.007	9
10	0.003	0.002	0.002	0.002	0.003	0.101	0.107	0.030	0.021	0.021	0.012	0.007	10
11	0.003	0.002	0.002	0.002	0.004	0.188	0.100	0.030	0.021	0.021	0.012	0.007	11
12	0.004	0.002	0.002	0.002	0.004	0.227	0.093	0.030	0.020	0.020	0.012	0.007	12
13	0.004	0.002	0.002	0.002	0.005	0.300	0.086	0.029	0.021	0.020	0.011	0.007	13
14	0.003	0.002	0.002	0.002	0.007	0.369	0.082	0.029	0.020	0.019	0.011	0.007	14
15	0.004	0.003	0.002	0.002	0.011	0.416	0.078	0.028	0.020	0.019	0.010	0.007	15
16	0.004	0.003	0.002	0.002	0.017	0.453	0.072	0.027	0.021	0.019	0.011	0.007	16
17	0.004	0.003	0.002	0.002	0.020	0.420	0.067	0.025	0.021	0.018	0.011	0.007	17
18	0.004	0.003	0.002	0.002	0.024	0.365	0.063	0.024	0.020	0.016	0.011	0.007	18
19	0.005B	0.003	0.002	0.002	0.023	0.377	0.060	0.023	0.020	0.015	0.010	0.007	19
20	0.005B	0.003	0.002	0.002	0.024	0.383	0.065	0.023	0.019	0.015	0.010	0.007	20
21	0.005B	0.003	0.002	0.002	0.030	0.372	0.061	0.023	0.020	0.016	0.009	0.007	21
22	0.005B	0.003	0.002	0.002	0.041	0.335	0.060	0.022	0.022	0.018	0.009	0.007	22
23	0.005B	0.003	0.002	0.002	0.050	0.314	0.057	0.022	0.023	0.018	0.009	0.007	23
24	0.005B	0.003	0.002	0.003	0.053	0.282	0.055	0.021	0.023	0.018	0.009	0.006	24
25	0.004	0.003	0.002	0.003	0.076	0.258	0.054	0.021	0.023	0.018	0.009	0.007	25
26	0.004	0.003	0.002	0.002	0.085	0.239	0.052	0.024	0.026	0.018	0.009	0.006	26
27	0.004	0.003	0.002	0.002	0.057	0.233	0.049	0.023	0.024	0.017	0.009	0.006	27
28	0.004	0.003	0.002	0.003	0.045	0.227	0.047	0.022	0.024	0.016	0.009	0.006	28
29	0.004		0.002	0.003	0.038	0.208	0.044	0.022	0.025	0.014	0.009	0.006	29
30	0.004		0.002	0.003	0.035	0.194	0.043	0.021	0.025	0.014	0.009	0.006	30
31	0.004		0.002		0.038		0.042	0.020		0.014		0.006	31
TOTAL	0.123	0.084	0.066	0.065	0.727	7.028	2.727	0.860	0.639	0.598	0.338	0.218	TOTAL
MEAN	0.004	0.003	0.002	0.002	0.023	0.234	0.088	0.028	0.021	0.019	0.011	0.007	MEAN
MAX	0.005	0.004	0.003	0.003	0.085	0.453	0.187	0.041	0.026	0.027	0.014	0.009	MAX
MIN	0.002	0.002	0.002	0.002	0.003	0.050	0.042	0.020	0.019	0.014	0.009	0.006	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 0.453 ON JUN 16
MINIMUM DAILY, 0.002 ON JAN 6
MAXIMUM INSTANTANEOUS,
0.482 AT 20:35 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 19 W
DRAINAGE AREA, 2.64 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10.6	JUL	236
FEB	7.26	AUG	74.3
MAR	5.70	SEP	55.2
APR	5.62	OCT	51.7
MAY	62.8	NOV	28.3
JUN	607	DEC	18.8

TOTAL DISCHARGE, 1 160 dam³

REMARKS - SOME FLOW WAS INADVERTENTLY DIVERTED FROM MIDDLE FORK CREEK TO TWIN CREEK MAY 18-20

TYRRELL LAKE OUTFLOW NEAR EATON - [illegible]

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.047B	0.069	0.030E	0.045	0.008	0.012	0.030	0	---	1
2	---	0B	0 B	0.040B	0.055	0.026A	0.026	0.006	0.009	0.014	0A	---	2
3	---	0B	0 B	0.039B	0.047	0.024	0.020	0.007	0.010	0.010	---	---	3
4	---	0B	0 B	0.028B	0.067	0.023	0.015	0.007	0.012	0.007	---	---	4
5	---	0B	0 B	0.019B	0.053	0.020	0.012	0.006	0.014	0.007	---	---	5
6	---	0B	0.007B	0.013B	0.038	0.020	0.013	0.006	0.014	0.006	---	---	6
7	---	0B	0.010B	0.035B	0.033	0.023	0.015	0.006	0.014	0.005	---	---	7
8	---	0B	0.012B	0.037B	0.038	0.022	0.017	0.005	0.013	0.004	---	---	8
9	---	0B	0.016B	0.015B	0.049	0.019	0.015	0.006	0.012	0.003	---	---	9
10	---	0B	0.019B	0.108	0.049	0.017	0.013	0.007	0.013	0.003	---	---	10
11	---	0B	0.030B	0.287	0.046	0.014	0.012	0.009	0.013	0.003	---	---	11
12	---	0B	0.035B	0.222	0.039	0.011	0.009	0.009	0.014	0.003	---	---	12
13	---	0B	0.010B	0.194	0.056	0.008	0.008	0.007	0.015	0.003	---	---	13
14	---	0B	0.017B	0.169	0.046	0.008	0.008	0.007	0.015	0.003	---	---	14
15	---	0B	0.020B	0.345	0.042	0.008	0.008	0.007	0.016	0.003	---	---	15
16	---	0B	0.020B	0.702	0.039	0.008	0.010	0.007	0.018	0.002	---	---	16
17	---	0B	0.050B	0.837	0.038	0.006	0.023	0.010	0.018	0.002	---	---	17
18	---	0B	0.016B	0.761	0.037	0.006	0.024	0.010	0.012	0.002	---	---	18
19	---	0B	0.003B	0.617	0.036	0.006	0.014	0.007	0.010	0.002	---	---	19
20	---	0B	0.002B	0.441	0.039	0.005	0.010	0.007	0.008	0.002	---	---	20
21	---	0B	0.002B	0.360	0.035	0.005	0.011	0.007	0.007	0.003	---	---	21
22	---	0B	0.003B	0.279	0.031	0.005	0.013	0.009	0.006	0.003	---	---	22
23	---	0B	0.004B	0.204	0.029	0.005	0.014	0.012	0.005	0.002	---	---	23
24	---	0B	0.002B	0.165	0.030	0.006	0.012	0.019	0.005	0.002	---	---	24
25	---	0B	0.001B	0.133	0.026	0.006	0.012	0.017	0.004	0.002	---	---	25
26	---	0B	0.001B	0.185	0.035	0.008	0.030	0.014	0.006	0.002	---	---	26
27	---	0B	0.006B	0.161	0.037	0.008	0.028	0.020	0.026	0.001	---	---	27
28	---	0B	0.077B	0.170	0.038	0.009	0.020	0.021	0.077	0.001	---	---	28
29	---		0.131B	0.279	0.068	0.011	0.014	0.018	0.064	0.001	---	---	29
30	---		0.137B	0.148	0.163	0.040	0.010	0.017	0.055	0.001	---	---	30
31	---		0.052B		0.049A		0.008	0.015		0		---	31
TOTAL	---	0	0.683	7.000	1.857	0.407	0.489	0.313	0.509	0.132	---	---	TOTAL
MEAN	---	0	0.022	0.233	0.047	0.014	0.016	0.010	0.017	0.004	---	---	MEAN
MAX	---	0	0.137	0.837	0.163	0.040	0.045	0.021	0.077	0.030	---	---	MAX
MIN	---	0	0	0.013	0.026	0.005	0.008	0.005	0.004	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 0.837 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.951 AT 19:20 MST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 57 N
LONG 112 10 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42.2
FEB	0	AUG	27.0
MAR	59.0	SEP	44.0
APR	605	OCT	11.4
MAY	126	NOV	---
JUN	35.2	DEC	---

TOTAL DISCHARGE, 950 dam³

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0.955	2.35	3.16	1.59	1.46	0	---	1
2	---	---	---	0	0	0.945	2.16	3.17	1.68	1.45	0A	---	2
3	---	---	---	0	0	1.01	1.78	3.10	1.65	1.46	0E	---	3
4	---	---	---	0	0	1.03	1.74	3.04	1.63	1.45	0E	---	4
5	---	---	---	0	0	1.06	1.71	2.98	1.57	1.20	0E	---	5
6	---	---	---	0	0	1.05	1.49	2.95	1.54	0.855	0E	---	6
7	---	---	---	0	0	0.846	1.19	2.94	1.54	0.848	0E	---	7
8	---	---	---	0	0	0.614	1.17	2.95	1.88	1.23	0E	---	8
9	---	---	---	0	0	0.614	1.28	2.98	2.32	1.43	0E	---	9
10	---	---	---	0	0	0.616	1.43	2.99	2.50	1.42	0E	---	10
11	---	---	---	0	0	1.59	1.45	2.99	2.63	0.762	0E	---	11
12	---	---	---	0	0	2.18	1.46	2.98	2.62	0.393	0E	---	12
13	---	---	---	0	0	1.97	1.46	2.96	2.08	0.390	0E	---	13
14	---	---	---	0	0	1.70	1.45	2.94	1.45	0.490	0E	---	14
15	---	---	---	0	0	1.59	1.46	2.92	0.884	0.539	0E	---	15
16	---	---	---	0	0	1.57	1.45	3.10	0.874	0.529	0E	---	16
17	---	---	---	0	0.011	1.52	1.42	3.34	0.788	0.251	0E	---	17
18	---	---	---	0	0.686	1.47	1.40	3.32	0.531	0.036	0E	---	18
19	---	---	---	0	0.798	1.31	1.78	3.33	0.516	0	0E	---	19
20	---	---	---	0	0.787	1.50 A	2.54	3.34	1.28	0	0E	---	20
21	---	---	---	0	1.02	1.73 A	2.91	3.33	1.81	0	0E	---	21
22	---	---	---	0	1.29	1.78 A	2.90	3.33	1.78	0	0E	---	22
23	---	---	---	0	1.27	1.75 A	2.88	3.32	1.76	0	0E	---	23
24	---	---	---	0	1.10	2.29	2.95	3.29	1.95	0	0E	---	24
25	---	---	---	0	1.04	2.18	2.74	3.16	2.01	0	0E	---	25
26	---	---	---	0	1.02	2.21	2.92	3.06	2.07	0	0E	---	26
27	---	---	---	0	0.666	2.29	3.14	2.76	1.26	0	0E	---	27
28	---	---	---	0	0.052	2.35	3.14	1.26	1.21	0	0E	---	28
29	---		---	0	0.044	2.32	3.15	0.118	1.59	0	0E	---	29
30	---		0A	0	0.030	2.35	3.15	0.479	1.57	0	0E	---	30
31	---		0		0.365		3.16	1.38		0		---	31
TOTAL	---	---	---	0	10.179	46.350	65.11	86.967	48.563	16.193	0	---	TOTAL
MEAN	---	---	---	0	0.328	1.55	2.10	2.81	1.62	0.522	0	---	MEAN
MAX	---	---	---	0	1.29	2.35	3.16	3.34	2.63	1.46	0	---	MAX
MIN	---	---	---	0	0	0.614	1.17	0.118	0.516	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 3.34 ON AUG 17
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 04 N
LONG 113 37 56 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 630
FEB	---	AUG	7 510
MAR	---	SEP	4 200
APR	0	OCT	1 400
MAY	879	NOV	0
JUN	4 000	DEC	---

TOTAL DISCHARGE, 23 600 dam³

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.010B	0.900B	1.06 E	0.068	0.073E	0.042	0.074	---	---	1
2	---	---	0.010B	0.009B	1.30 B	0.965E	0.067	0.074E	0.038	0.079	---	---	2
3	---	---	0.010B	0.009B	1.70 B	0.870E	0.087	0.074E	0.042	0.076	---	---	3
4	---	---	0.010B	0.009B	1.50 B	0.780E	0.093A	0.076E	0.037	0.066	---	---	4
5	---	---	0.010B	0.008B	1.10 B	0.720E	0.105E	0.111E	0.037	0.066	---	---	5
6	---	---	0.010B	0.006B	0.800B	0.650E	0.123E	0.179A	0.046	0.073	---	---	6
7	---	---	0.010B	0.004B	0.600B	0.600E	0.132E	0.287	0.054	0.068	---	---	7
8	---	---	0.010B	0.002B	0.600B	0.550E	0.118E	0.182	0.064	0.113	---	---	8
9	---	---	0.010B	0.002B	0.700B	0.495E	0.086E	0.171	0.077	0.101	---	---	9
10	---	---	0.010B	0.003B	0.800B	0.445E	0.058E	0.143	0.106	0.085	---	---	10
11	---	---	0.010B	0.006B	0.900B	0.397E	0.039E	0.132	0.091	0.068	---	---	11
12	---	---	0.010B	0.007B	1.00 B	0.370E	0.018E	0.151	0.092	0.067	---	---	12
13	---	---	0.010B	0.007B	1.10 B	0.345E	0.012E	0.100	0.085	0.066	---	---	13
14	---	---	0.010B	0.008B	1.20 B	0.320E	0.006E	0.112	0.086	0.060	---	---	14
15	---	---	0.010B	0.005B	1.30 B	0.300E	0.004E	0.141	0.081	0.056	---	---	15
16	---	---	0.010B	0.003B	1.50 B	0.285E	0.003E	0.133	0.068	0.074	---	---	16
17	---	---	0.010B	0.010B	1.90 B	0.268E	0.002E	0.112	0.071	0.123	---	---	17
18	---	---	0.010B	0.021B	1.95 B	0.250E	0.002E	0.100	0.064	0.076	---	---	18
19	---	---	0.010B	0.028B	1.80 B	0.234E	0.005E	0.093	0.068	0.056	---	---	19
20	---	---	0.011B	0.040B	1.70 B	0.220E	0.004E	0.069	0.069	0.060	---	---	20
21	---	---	0.012B	0.060B	1.60 B	0.205E	0.005E	0.058	0.073	0.050	---	---	21
22	---	---	0.013B	0.100B	1.50 B	0.188E	0.006E	0.052	0.074	0.054	---	---	22
23	---	---	0.014B	0.200B	1.60 E	0.163E	0.035E	0.063	0.076	0.054	---	---	23
24	---	---	0.016B	0.300B	1.70 E	0.121A	0.095E	0.054	0.085	0.059B	---	---	24
25	---	---	0.014B	0.320B	1.67 E	0.113	0.077E	0.032	0.093	0.059B	---	---	25
26	---	---	0.013B	0.340B	1.60 E	0.102	0.097E	0.032	0.096	0.058B	---	---	26
27	---	---	0.012B	0.360B	1.54 E	0.086	0.141E	0.037	0.088	0.056B	---	---	27
28	---	---	0.012B	0.400B	1.43 E	0.072	0.123E	0.057	0.091	0.048B	---	---	28
29	---		0.011B	0.420B	1.30 E	0.062	0.106E	0.046	0.086	0.047B	---	---	29
30	---		0.011B	0.600B	1.20 E	0.061	0.088E	0.033	0.081	0.044B	---	---	30
31	---		0.010B		1.14 E		0.081E	0.029		0.040B		---	31
TOTAL	---	---	0.339	3.297	40.630	11.297	1.886	3.006	2.161	2.073	---	---	TOTAL
MEAN	---	---	0.011	0.110	1.31	0.377	0.061	0.097	0.072	0.067	---	---	MEAN
MAX	---	---	0.016	0.600	1.95	1.06	0.141	0.287	0.106	0.123	---	---	MAX
MIN	---	---	0.010	0.002	0.600	0.061	0.002	0.029	0.037	0.040	---	---	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.95B ON MAY 18

MAXIMUM INSTANTANEOUS,
2.24B AT 21:00 MST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 31 N
LONG 111 31 11 W
DRAINAGE AREA, 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	163
FEB	---	AUG	260
MAR	29.3	SEP	187
APR	285	OCT	179
MAY	3 510	NOV	---
JUN	976	DEC	---

UPPER KAMANASKIS LAKE - STATION NO. 05BF005

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1692.13	1689.29	1687.10	1685.48	1685.48	1686.64	1691.91	1696.06	1698.96	1700.66	1700.14	1697.77	1
2	1692.07	1689.20	1687.04	1685.48	1685.48	1686.73	1692.10	1696.18	1699.05	1700.69	1700.08	1697.64	2
3	1692.01	1689.08	1686.98	1685.48	1685.51	1686.82	1692.31	1696.30	1699.14	1700.72	1700.02	1697.52	3
4	1691.91	1688.99	1686.92	1685.48	1685.51	1686.92	1692.49	1696.39	1699.26	1700.69	1699.96	1697.46	4
5	1691.82	1688.90	1686.85	1685.45	1685.51	1687.04	1692.62	1696.49	1699.35	1700.66	1699.90	1697.34	5
6	1691.70	1688.81	1686.82	1685.15	1685.54	1687.16	1692.77	1696.58	1699.44	1700.63	1699.93	1697.22	6
7	1691.61	1688.71	1686.82	1685.45	1685.54	1687.25	1692.92	1696.70	1699.53	1700.60	1699.93	1697.10	7
8	1691.52	1688.59	1686.76	1685.45	1685.54	1687.38	1693.04	1696.79	1699.63	1700.60	1699.87	1697.00	8
9	1691.40	1688.50	1686.70	1685.45	1685.57	1687.40	1693.19	1696.88	1699.72	1700.60	1699.78	1696.85	9
10	1691.34	1688.47	1686.58	1685.42	1685.57	1687.49	1693.32	1697.00	1699.84	1700.63	1699.72	1696.73	10
11	1691.21	1688.41	1686.43	1685.42	1685.60	1687.62	1693.47	1697.13	1699.90	1700.66	1699.63	1696.61	11
12	1691.12	1688.35	1686.25	1685.42	1685.60	1687.77	1693.62	1697.22	1699.96	1700.63	1699.56	1696.52	12
13	1691.03	1688.29	1686.12	1685.42	1685.60	1687.95	1693.74	1697.34	1700.02	1700.60	1699.50	1696.39	13
14	1690.94	1688.26	1686.06	1685.42	1685.64	1688.17	1693.90	1697.46	1700.08	1700.57	1699.53	1696.27	14
15	1690.85	1688.17	1686.00	1685.42	1685.64	1688.41	1694.02	1697.55	1700.14	1700.54	1699.44	1696.12	15
16	1690.73	1688.07	1685.94	1685.42	1685.67	1688.65	1694.14	1697.61	1700.20	1700.48	1699.38	1696.03	16
17	1690.63	1688.01	1685.88	1685.42	1685.70	1688.90	1693.32	1697.71	1700.27	1700.54	1699.32	1695.91	17
18	1690.51	1687.92	1685.82	1685.42	1685.73	1689.11	1694.35	1697.80	1700.33	1700.51	1699.23	1695.79	18
19	1690.42	1687.86	1685.79	1685.42	1685.76	1689.32	1694.44	1697.89	1700.39	1700.48	1699.14	1695.66	19
20	1690.30	1687.80	1685.76	1685.42	1685.82	1689.57	1694.60	1697.98	1700.42	1700.42	1699.02	1695.54	20
21	1690.18	1687.77	1685.73	1685.42	1685.85	1689.81	1694.75	1698.07	1700.45	1700.39	1698.92	1695.45	21
22	1690.06	1687.71	1685.70	1685.45	1685.91	1690.06	1694.87	1698.16	1700.51	1700.36	1698.80	1695.33	22
23	1689.99	1687.62	1685.67	1685.45	1686.00	1690.27	1694.99	1698.22	1700.54	1700.30	1698.68	1695.24	23
24	1690.02	1687.53	1685.64	1685.48	1686.06	1690.48	1695.08	1698.32	1700.54	1700.33	1698.59	1695.11	24
25	1689.93	1687.43	1685.60	1685.48	1686.15	1690.70	1695.21	1698.41	1700.60	1700.33	1698.44	1694.99	25
26	1689.87	1687.34	1685.60	1685.48	1686.28	1690.91	1695.30	1698.50	1700.66	1700.30	1698.35	1694.87	26
27	1689.78	1687.28	1685.57	1685.48	1686.37	1691.12	1695.42	1698.59	1700.66	1700.30	1698.22	1694.75	27
28	1689.66	1687.16	1685.54	1685.48	1686.46	1691.34	1695.54	1698.68	1700.66	1700.24	1698.13	1694.63	28
29	1689.57		1685.54	1685.48	1686.49	1691.52	1695.69	1698.77	1700.66	1700.20	1698.04	1694.51	29
30	1689.48		1685.51	1685.48	1686.55	1691.73	1695.82	1698.83	1700.66	1700.20	1697.92	1694.38	30
31	1689.38		1685.51		1686.58		1695.94	1698.89		1700.24		1694.26	31
MEAN	1690.75	1688.20	1686.14	1685.45	1685.83	1688.81	1694.03	1697.56	1700.05	1700.49	1699.24	1696.03	MEAN
MAX	1692.13	1689.29	1687.10	1685.48	1686.58	1691.73	1695.94	1698.89	1700.66	1700.72	1700.14	1697.77	MAX
MIN	1689.38	1687.16	1685.51	1685.42	1685.48	1686.64	1691.91	1696.06	1698.96	1700.20	1697.92	1694.26	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1693.74
MAXIMUM DAILY, 1700.72 ON OCT 3
MINIMUM DAILY, 1685.42 ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 115 07 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 17.660 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

UTIKUMA LAKE NEAR NIPISI - STATION NO. 07JA001

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	29.914	---	---	29.836	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	29.803	29.806	29.749	---	---	5
6	---	---	---	---	---	---	---	---	---	29.744	---	---	6
7	---	---	---	---	---	---	29.762	---	---	---	---	---	7
8	---	---	---	---	---	---	29.760	---	29.806	---	---	---	8
9	---	---	---	---	---	---	---	---	29.781	---	---	---	9
10	---	---	---	---	---	29.817	---	29.793	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	29.742	29.794	---	29.740	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	29.777	---	---	---	15
16	---	---	---	---	---	---	29.733	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	29.794	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	29.740	---	---	19
20	---	---	---	29.870	---	---	---	---	29.757	---	---	---	20
21	---	---	---	---	---	29.785	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	29.758	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	29.883	---	---	---	---	---	---	29.741	---	---	25
26	---	---	---	---	---	---	---	29.785	---	29.736	---	---	26
27	---	---	---	29.879	---	---	29.756	---	---	---	---	---	27
28	---	---	---	---	---	---	29.748	---	29.758	---	---	---	28
29	---		---	29.842	---	29.738	---	---	---	---	---	---	29
30	---		---	---	---	---	---	29.785	---	---	---	---	30
31	---		---		29.849		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 52 00 W
LONG 115 15 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.624	0	0	0.907	0	0	---	---	1
2	---	---	---	0 B	0.729	0	0.005	0.597	0	0	---	---	2
3	---	---	---	0 B	1.34	0	1.24	0.368	0	0	---	---	3
4	---	---	---	0 B	1.09	0	1.75	0.293	0	0	---	---	4
5	---	---	---	0 B	1.02	0	2.26	0.209	0	0	---	---	5
6	---	---	---	0 B	1.07	0	2.24	0.187	0	0	---	---	6
7	---	---	---	0 B	0.902	0	2.30	0.105	0	0	---	---	7
8	---	---	---	0 B	0.759	0	2.40	0.077	0	0	---	---	8
9	---	---	---	0 B	0.697	0	2.48	0.049	0	0	---	---	9
10	---	---	---	0 B	0.431	0	2.47	0.027	0	0	---	---	10
11	---	---	---	0 B	0.308	0	2.45	0.017	0.063	0	---	---	11
12	---	---	---	0 B	0.187	0	2.43	0.038	0.142	0	---	---	12
13	---	---	---	0 B	0.129	0	2.40	0.072	0.028	0	---	---	13
14	---	---	---	0 B	0.184	0	2.36	0.066	0	0	---	---	14
15	---	---	---	0.010B	0.162	0	2.29	0.062	0	0	---	---	15
16	---	---	---	0.001B	0.132	0	2.19	0.041	0	0	---	---	16
17	---	---	---	0 B	0.076	0	2.11	0.036	0	0	---	---	17
18	---	---	---	0 B	0.041	0	2.03	0.112	0	0	---	---	18
19	---	---	---	0 B	0.088	0	1.96	0.062	0	0	---	---	19
20	---	---	---	0.074	0.097	0	1.85	0.026	0	0	---	---	20
21	---	---	---	0.320	0.116	0	1.78	0.040	0	0	---	---	21
22	---	---	---	0.294	0.887	0	2.08	0.036	0	0	---	---	22
23	---	---	---	0.503	0.153	0	2.01	0.012	0	0	---	---	23
24	---	---	---	0.846	0.164	0	2.00	0.070	0	0	---	---	24
25	---	---	---	0.286	0.122	0	1.94	0.052	0	0	---	---	25
26	---	---	---	0.293	0.891	0	1.89	0.019	0	0E	---	---	26
27	---	---	---	0.306	0.054	0	1.81	0.011	0	0E	---	---	27
28	---	---	---	0.289	0.034	0	1.68	0.014	0	0E	---	---	28
29	---		---	0.485	0.021	0	1.51	0.012	0	0E	---	---	29
30	---		---	0.795	0.010	0	1.31	0.009	0	0E	---	---	30
31	---		---		0.001		1.10	0.003		0E		---	31
TOTAL	---	---	---	4.502	10.939	0	58.325	3.585	0.233	0	---	---	TOTAL
MEAN	---	---	---	0.150	0.353	0	1.88	0.116	0.008	0	---	---	MEAN
MAX	---	---	---	0.846	1.34	0	2.48	0.907	0.142	0	---	---	MAX
MIN	---	---	---	0	0.001	0	0	0.003	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.363
MAXIMUM DAILY, 2.48 ON JUL 9
MINIMUM DAILY, 0E ON APR 1
MAXIMUM INSTANTANEOUS,
2.49 AT 15:15 MST ON JUL 9

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 10 37 W
LONG 112 04 06 W
DRAINAGE AREA, 473 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 040
FEB	---	AUG	310
MAR	---	SEP	20.1
APR	389	OCT	0
MAY	945	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 700 dam³

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.141	0.011	0.080	0.084	0.017	0	---	---	1
2	---	---	---	0 B	0.052	0.005	0.087	0.034	0	0	---	---	2
3	---	---	---	0 B	0.004	0	0.214	0.038	0	0.004	---	---	3
4	---	---	---	0 B	0.100	0	0.715	0.035	0	0	---	---	4
5	---	---	---	0 B	0.525	0.004	1.11	0.032	0	0	---	---	5
6	---	---	---	0 B	0.594	0	1.16	0.008	0	0	---	---	6
7	---	---	---	0 B	0.532	0.012	1.21	0.015	0	0	---	---	7
8	---	---	---	0 B	0.442	0.001	1.07	0.009	0	0	---	---	8
9	---	---	---	0 B	0.228	0	0.881	0.007	0	0	---	---	9
10	---	---	---	0 B	0.147	0	0.673	0	0	0	---	---	10
11	---	---	---	0 B	0.105	0	0.528	0	0	0	---	---	11
12	---	---	---	0 B	0.136	0	0.391	0	0	0	---	---	12
13	---	---	---	0 B	0.156	0	0.364	0	0	0	---	---	13
14	---	---	---	0 B	0.105	0	0.321	0	0	0	---	---	14
15	---	---	---	0 B	0.066	0	0.243	0	0	0	---	---	15
16	---	---	---	0 B	0.047	0	0.245	0	0	0	---	---	16
17	---	---	---	0 B	0.038	0	0.208	0	0	0	---	---	17
18	---	---	---	0 B	0.024	0	0.302	0	0	0	---	---	18
19	---	---	---	0 B	0.062	0	0.249	0	0	0	---	---	19
20	---	---	---	0 B	0.054	0	0.186	0	0	0	---	---	20
21	---	---	---	0 B	0.057	0	0.159	0	0	0	---	---	21
22	---	---	---	0 B	0.028	0	0.748	0	0	0	---	---	22
23	---	---	---	0 B	0.041	0	0.698	0	0	0	---	---	23
24	---	---	---	0 B	0.037	0	0.578	0	0	0	---	---	24
25	---	---	---	0 B	0.021	0.001	0.498	0	0	0	---	---	25
26	---	---	---	0.030B	0.009	0.031	0.429	0	0	0 E	---	---	26
27	---	---	---	0.012B	0.019	0.015	0.338	0	0	0 E	---	---	27
28	---	---	---	0.010B	0.014	0.016	0.229	0	0	0 E	---	---	28
29	---		---	0.007E	0.012	0.031	0.157	0	0	0 E	---	---	29
30	---		---	0.004E	0.011	0.024	0.105	0	0	0 E	---	---	30
31	---		---		0.010		0.062	0.014		0 E		---	31
TOTAL	---	---	---	0.063	3.817	0.151	14.148	0.236	0.017	0.004	---	---	TOTAL
MEAN	---	---	---	0.002	0.123	0.005	0.456	0.008	0.001	0	---	---	MEAN
MAX	---	---	---	0.030	0.594	0.031	1.21	0.084	0.017	0.004	---	---	MAX
MIN	---	---	---	0	0.004	0	0.040	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 1.21 ON JUL 7
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
1.24 AT 16:41 MST ON JUL 6

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 02 N
LONG 112 24 19 W
DRAINAGE AREA, 56.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 220
FEB	---	AUG	20.4
MAR	---	SEP	1.47
APR	5.44	OCT	0.35
MAY	330	NOV	---
JUN	13.0	DEC	---

TOTAL DISCHARGE, 1 590 dam³

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.71	0.861	0.767	4.78	0.033	0.013	0.038	---	1
2	---	---	0B	0 B	2.28	0.823	0.784	5.12	0.034	0.010	0.025A	---	2
3	---	---	0B	0 B	2.32	0.795	1.10	5.50	0.037	0.010	---	---	3
4	---	---	0B	0 B	2.63	0.699	1.84	5.24	0.039	0.010	---	---	4
5	---	---	0B	0 B	2.96	0.617	1.76	4.94	0.070	0.008	---	---	5
6	---	---	0B	0 B	3.20	0.632	2.00	4.62	0.091	0.007	---	---	6
7	---	---	0B	0 B	3.07	0.665	1.82	4.10	0.087	0.005	---	---	7
8	---	---	0B	0 B	2.27	0.657	1.92	3.27	0.078	0.003	---	---	8
9	---	---	0B	0 B	1.80	0.632	2.66	2.83	0.063	0.006	---	---	9
10	---	---	0B	0 B	1.68	0.539	3.15	2.58	0.057	0.008	---	---	10
11	---	---	0B	0 B	1.56	0.473	3.26	1.45	0.043	0.007	---	---	11
12	---	---	0B	0 B	1.51	0.460	2.97	0.286	0.032	0.008	---	---	12
13	---	---	0B	0 B	1.56	0.491	2.48	0.109	0.037	0.009	---	---	13
14	---	---	0B	0 B	1.69	0.479	2.19	0.043	0.073	0.008	---	---	14
15	---	---	0B	0 B	1.63	0.455	2.18	0.074	0.075	0.007	---	---	15
16	---	---	0B	0 B	1.16	0.466	2.24	0.110	0.077	0.005	---	---	16
17	---	---	0B	0.100B	1.04	0.466	2.38	0.170	0.068	0.006	---	---	17
18	---	---	0B	0.250B	1.22	0.463	2.58	0.230	0.048	0.015	---	---	18
19	---	---	0B	0.500B	1.24	0.456	2.79	0.369	0.037	0.022	---	---	19
20	---	---	0B	0.800B	1.23	0.471	2.92	0.360	0.024	0.017	---	---	20
21	---	---	0B	1.50 B	1.43	0.486	3.02	0.213	0.020	0.014	---	---	21
22	---	---	0B	2.50 B	1.29	0.495	3.23	0.180	0.021	0.013	---	---	22
23	---	---	0B	2.70 B	1.19	0.494	3.27	0.292	0.032	0.014	---	---	23
24	---	---	0B	2.80 B	1.20	0.483	3.29	0.294	0.028	0.014	---	---	24
25	---	---	0B	2.90 B	1.52	0.509	3.37	0.257	0.020	0.014	---	---	25
26	---	---	0B	2.65 A	1.40	0.494	3.64	0.183	0.022	0.014	---	---	26
27	---	---	0B	2.48 A	1.39	0.480	3.89	0.089	0.025	0.016	---	---	27
28	---	---	0B	2.13 A	1.37	0.479	4.05	0.038	0.023	0.016	---	---	28
29	---		0B	2.01	1.18	0.506	4.05	0.038	0.023	0.015	---	---	29
30	---		0B	1.86	1.08	0.562	4.09	0.017	0.019	0.014	---	---	30
31	---		0B		0.986		4.40	0.028		0.015		---	31
TOTAL	---	---	0	25.140	52.796	16.588	84.091	47.810	1.336	0.343	---	---	TOTAL
MEAN	---	---	0	0.838	1.70	0.553	2.71	1.54	0.045	0.011	---	---	MEAN
MAX	---	---	0	2.90	3.20	0.861	4.40	5.50	0.091	0.022	---	---	MAX
MIN	---	---	0	0	0.986	0.455	0.767	0.017	0.019	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.931
MAXIMUM DAILY, 5.50 ON AUG 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.59 AT 13:26 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 22 30 W
LONG 111 10 30 W
DRAINAGE AREA, 5 750 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 270
FEB	---	AUG	4 130
MAR	0	SEP	115
APR	2 170	OCT	39.6
MAY	4 560	NOV	---
JUN	1 430	DEC	---

TOTAL DISCHARGE, 19 700 dam³

VERMILION RIVER NEAR MANWAYNE - STATION NO. 05BE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.258	1.40	0.054	3.46	1.49	0.143	0.150	---	1
2	---	---	0B	0 B	0.191	1.31	0.123	3.84	1.35	0.153	0.152	---	2
3	---	---	0B	0 B	0.220	1.19	0.787	4.22	1.23	0.226	0.147A	---	3
4	---	---	0B	0 B	1.01	1.06	0.834	4.67	1.10	0.297	---	---	4
5	---	---	0B	0 B	1.73	0.876	0.673	5.27	1.00	0.236	---	---	5
6	---	---	0B	0 B	2.13	0.755	0.394	5.88	0.830	0.189	---	---	6
7	---	---	0B	0 B	2.34	0.701	0.218	6.22	0.723	0.173	---	---	7
8	---	---	0B	0 B	2.53	0.684	0.134	6.50	0.665	0.179	---	---	8
9	---	---	0B	0 B	2.70	0.640	0.104	6.86	0.563	0.182	---	---	9
10	---	---	0B	0 B	2.89	0.553	0.123	7.08	0.508	0.182	---	---	10
11	---	---	0B	0 B	2.95	0.495	0.121	7.18	0.499	0.149	---	---	11
12	---	---	0B	0 B	2.90	0.416	0.097	7.17	0.396	0.139	---	---	12
13	---	---	0B	0.010B	2.73	0.323	0.103	6.98	0.355	0.125	---	---	13
14	---	---	0B	0.025B	2.49	0.319	0.129	6.78	0.346	0.117	---	---	14
15	---	---	0B	0.039B	2.29	0.272	0.390	6.52	0.319	0.115	---	---	15
16	---	---	0B	0.120B	2.10	0.236	0.738	6.16	0.312	0.142	---	---	16
17	---	---	0B	0.279B	1.92	0.185	0.932	5.63	0.308	0.106	---	---	17
18	---	---	0B	0.320B	1.83	0.115	1.26	5.12	0.256	0.081	---	---	18
19	---	---	0B	0.380B	1.83	0.007	1.51	4.64	0.212	0.132	---	---	19
20	---	---	0B	0.768B	1.80	0.015	1.72	4.24	0.161	0.171	---	---	20
21	---	---	0B	1.20 B	1.76	0.010E	1.90	3.85	0.118	0.137	---	---	21
22	---	---	0B	1.29 B	1.79	0.006	2.05	3.45	0.089	0.072	---	---	22
23	---	---	0B	1.59 B	1.83	0.003	2.13	3.12	0.052	0.057	---	---	23
24	---	---	0B	1.42 B	1.71	0.003E	2.26	2.80	0.019	0.075	---	---	24
25	---	---	0B	1.10 B	1.72	0.002E	2.39	2.50	0.257	0.090	---	---	25
26	---	---	0B	0.878B	1.64	0.001E	2.50	2.23	0.266	0.074	---	---	26
27	---	---	0B	0.627B	1.53	0.001E	2.64	2.07	0.161	0.046	---	---	27
28	---	---	0B	0.558B	1.46	0.002E	2.79	1.96	0.148	0.149	---	---	28
29	---		0B	0.546B	1.43	0.003E	2.93	1.85	0.138	0.166	---	---	29
30	---		0B	0.488B	1.41	0.005	3.08	1.73	0.122	0.125	---	---	30
31	---		0B		1.43		3.26	1.59		0.130		---	31
TOTAL	---	---	0	11.638	56.549	11.588	38.374	141.57	13.993	4.358	---	---	TOTAL
MEAN	---	---	0	0.368	1.82	0.386	1.24	4.57	0.466	0.141	---	---	MEAN
MAX	---	---	0	1.59	2.95	1.40	3.26	7.18	1.49	0.297	---	---	MAX
MIN	---	---	0	0	0.191	0.001	0.054	1.59	0.019	0.046	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.13
MAXIMUM DAILY, 7.18 ON AUG 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.44 AT 18:16 MST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 29 28 N
LONG 110 23 51 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 320
FEB	---	AUG	12 200
MAR	0	SEP	1 210
APR	1 010	OCT	377
MAY	4 890	NOV	---
JUN	1 000	DEC	---

TOTAL DISCHARGE, 24 000 dam³

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05BE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.274	0.062	0	2.29	0	0.057	0	---	1
2	---	---	0B	0 B	0.048	0.032	0	2.02	0	0.083	0	---	2
3	---	---	0B	0 B	0.416	0.023	0	1.83	0	0.145	0	---	3
4	---	---	0B	0 B	0.368	0.010	3.28	1.61	0	0.264	0	---	4
5	---	---	0B	0 B	0.407	0.009	10.8	1.45	0	0.725	---	---	5
6	---	---	0B	0 B	1.08	0.008	13.2	1.23	0	1.16	---	---	6
7	---	---	0B	0 B	1.13	0.006	15.5	1.02	0	1.11	---	---	7
8	---	---	0B	0 B	1.08	0.005	15.8	1.07	0	0.105	---	---	8
9	---	---	0B	0 B	1.01	0.003	13.9	0.822	0	0	---	---	9
10	---	---	0B	0 B	0.858	0.002	11.5	0.259	0	0	---	---	10
11	---	---	0B	0 B	0.689	0.001	10.1	0.139	0	0	---	---	11
12	---	---	0B	0 B	0.551	0	9.18	0.037	0.006	0	---	---	12
13	---	---	0B	0 B	0.401	0	8.20	0.015	0.010	0	---	---	13
14	---	---	0B	0 B	0.358	0	7.14	0.001	0.002	0	---	---	14
15	---	---	0B	0 B	0.079	0	6.23	0.010	0.001	0	---	---	15
16	---	---	0B	0 B	0.023	0	5.50	0.003	0.002	0	---	---	16
17	---	---	0B	0 B	0.163	0	5.07	0.003	0.001	0	---	---	17
18	---	---	0B	0 B	0.063	0	4.55	0.005	0	0	---	---	18
19	---	---	0B	0 B	0.095	0	4.10	0.003	0.045	0	---	---	19
20	---	---	0B	0 B	0.114	0	3.91	0.006	0.017	0	---	---	20
21	---	---	0B	0 B	0.192	0	3.83	0.004	0.015	0	---	---	21
22	---	---	0B	0 B	0.297	0	4.01	0.009	0.395	0	---	---	22
23	---	---	0B	0.008B	0.254	0	4.54	0.007	2.50	0.001	---	---	23
24	---	---	0B	0.631B	0.216	0	4.97	0.003	2.92	0.001	---	---	24
25	---	---	0B	2.62 B	0.150	0	5.02	0	2.53	0.001	---	---	25
26	---	---	0B	3.55 B	0.209	0	4.43	0	1.89	0.001	---	---	26
27	---	---	0B	3.07 B	0.160	0	3.85	0.001	0.907	0.001	---	---	27
28	---	---	0B	2.14	0.202	0	3.59	0	0.102	0	---	---	28
29	---		0B	1.44	0.209	0	3.29	0	0.035	0	---	---	29
30	---		0B	0.971	0.123	0	2.91	0.001	0.092	0	---	---	30
31	---		0B		0.072		2.55	0.001		0		---	31
TOTAL	---	---	0	14.430	11.291	0.161	190.95	13.848	11.470	3.654	---	---	TOTAL
MEAN	---	---	0	0.481	0.364	0.005	6.16	0.447	0.382	0.118	---	---	MEAN
MAX	---	---	0	3.55	1.13	0.062	15.8	2.29	2.92	1.16	---	---	MAX
MIN	---	---	0	0	0.023	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 15.8 ON JUL 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.2 AT 00:44 MST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 54 N
LONG 112 03 52 W
DRAINAGE AREA, 1 590 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 500
FEB	---	AUG	1 200
MAR	0	SEP	991
APR	1 250	OCT	316
MAY	976	NOV	---
JUN	13.9	DEC	---

TOTAL DISCHARGE, 21 200 dam³

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.055	0.013	0.023	0.012	0	0	0	---	1
2	---	---	0B	0 B	0.055	0.011	0.050E	0.009	0	0	0	---	2
3	---	---	0B	0 B	0.056	0.010	0.200E	0.008	0	0	0	---	3
4	---	---	0B	0 B	0.055	0.011	0.350E	0.006	0	0	---	---	4
5	---	---	0B	0 B	0.055	0.012	0.820E	0.005	0.001	0	---	---	5
6	---	---	0B	0 B	0.056	0.013	0.700E	0.003	0.001	0	---	---	6
7	---	---	0B	0 B	0.057	0.013	0.535A	0.007	0.001	0	---	---	7
8	---	---	0B	0 B	0.058	0.014	0.276	0.004	0.001	0	---	---	8
9	---	---	0B	0 B	0.046	0.014	0.170	0.001	0.001	0	---	---	9
10	---	---	0B	0 B	0.021	0.014	0.113	0	0.002	0	---	---	10
11	---	---	0B	0 B	0.022	0.014	0.059	0	0.002	0	---	---	11
12	---	---	0B	0 B	0.022	0.014	0.043	0	0.001	0	---	---	12
13	---	---	0B	0 B	0.021	0.014	0.039	0	0.001	0	---	---	13
14	---	---	0B	0 B	0.019	0.013	0.038	0	0.001	0	---	---	14
15	---	---	0B	0 B	0.019	0.013	0.040	0	0.001	0	---	---	15
16	---	---	0B	0 B	0.019	0.013	0.041	0	0.001	0	---	---	16
17	---	---	0B	0 B	0.018	0.013	0.042	0	0	0	---	---	17
18	---	---	0B	0 B	0.016	0.013	0.037	0	0	0	---	---	18
19	---	---	0B	0 B	0.017	0.013	0.038	0	0	0	---	---	19
20	---	---	0B	0 B	0.018	0.013	0.033	0	0	0	---	---	20
21	---	---	0B	0 B	0.017	0.012	0.031	0	0	0	---	---	21
22	---	---	0B	0 B	0.017	0.012	0.033	0	0	0	---	---	22
23	---	---	0B	0.004B	0.018	0.013	0.036	0	0	0	---	---	23
24	---	---	0B	0.010B	0.018	0.013	0.039	0	0	0	---	---	24
25	---	---	0B	0.015B	0.020	0.013	0.031	0	0	0	---	---	25
26	---	---	0B	0.022B	0.020	0.013	0.031	0	0	0	---	---	26
27	---	---	0B	0.034B	0.020	0.013	0.027	0	0	0	---	---	27
28	---	---	0B	0.044B	0.019	0.013	0.017	0.002	0	0	---	---	28
29	---		0B	0.048B	0.018	0.012	0.012	0.002	0	0	---	---	29
30	---		0B	0.050A	0.016	0.014	0.010	0.001	0	0	---	---	30
31	---		0B		0.015		0.009	0.001		0		---	31
TOTAL	---	---	0	0.227	0.903	0.386	3.923	0.061	0.014	0	---	---	TOTAL
MEAN	---	---	0	0.008	0.029	0.013	0.127	0.002	0	0	---	---	MEAN
MAX	---	---	0	0.050	0.058	0.014	0.820	0.012	0.002	0	---	---	MAX
MIN	---	---	0	0	0.015	0.010	0.009	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.023
MAXIMUM DAILY, 0.820E ON JUL 5
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 17 42 N
LONG 112 02 54 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	339
FEB	---	AUG	5.27
MAR	0	SEP	1.21
APR	19.6	OCT	0
MAY	78.0	NOV	---
JUN	33.4	DEC	---

TOTAL DISCHARGE, 476 dam³

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	0.040B	1.47	0.340E	0.201	2.53	2.25	1.82	1.31A	---	1
2	---	---	0.020B	0.036B	1.24	0.305E	0.564	2.56	2.22	1.79	---	---	2
3	---	---	0.020B	0.037B	1.09	0.280E	1.25	2.59	2.17	1.86	---	---	3
4	---	---	0.020B	0.038B	1.28	0.260E	7.97	2.60	2.23	1.87	---	---	4
5	---	---	0.022B	0.039B	1.29	0.245E	9.81	2.41	2.31	1.78	---	---	5
6	---	---	0.024B	0.040B	1.25	0.235E	11.1	2.26	2.30	1.74	---	---	6
7	---	---	0.025B	0.043B	1.13	0.220E	8.08	2.22	2.33	1.67	---	---	7
8	---	---	0.026B	0.047B	1.00	0.200E	5.92	2.24	2.29	1.67	---	---	8
9	---	---	0.028B	0.052B	0.931	0.170E	4.58	2.15	2.36	1.67	---	---	9
10	---	---	0.030B	0.055B	0.891	0.150E	4.08	2.20	2.36	1.56	---	---	10
11	---	---	0.034B	0.057B	0.840	0.120E	3.90	2.32	2.71	1.50	---	---	11
12	---	---	0.036B	0.060B	0.796	0.105E	3.83	2.52	2.24	1.50	---	---	12
13	---	---	0.038B	0.066B	0.776	0.090E	4.12	2.63	2.05	1.45	---	---	13
14	---	---	0.039B	0.656B	0.713	0.070E	4.04	2.51	1.92	1.42	---	---	14
15	---	---	0.040B	0.739B	0.632	0.060E	3.80	2.43	1.89	1.39	---	---	15
16	---	---	0.040B	0.499B	0.584	0.050E	3.39	2.42	1.94	1.33	---	---	16
17	---	---	0.040B	0.753B	0.521	0.045E	3.12	2.30	1.91	1.34	---	---	17
18	---	---	0.040B	0.896B	0.481	0.040E	3.20	2.25	1.89	1.38	---	---	18
19	---	---	0.040B	1.71 B	0.584	0.040E	3.53	2.22	1.87	1.36	---	---	19
20	---	---	0.042B	1.70 B	0.562	0.038E	3.81	2.12	1.90	1.33	---	---	20
21	---	---	0.042B	4.34 B	0.508	0.036A	3.80	2.03	1.89	1.29	---	---	21
22	---	---	0.042B	6.72 B	0.473	0.033	3.77	2.10	1.91	1.28	---	---	22
23	---	---	0.042B	6.24 B	0.542	0.034	3.70	2.13	1.99	1.26	---	---	23
24	---	---	0.043B	5.33 B	0.535	0.035	3.51	2.13	1.89	1.26	---	---	24
25	---	---	0.045B	6.92	0.494	0.035	3.39	2.23	1.88	1.25	---	---	25
26	---	---	0.047B	4.36	0.493	0.038	3.02	2.19	1.91	1.26	---	---	26
27	---	---	0.047B	2.77	0.455	0.039	2.86	2.20	1.93	1.40	---	---	27
28	---	---	0.047B	2.46	0.444	0.041	2.81	2.14	1.88	1.40	---	---	28
29	---		0.047B	2.10	0.453	0.045	2.78	2.17	1.83	1.38	---	---	29
30	---		0.045B	1.79	0.400	0.045	2.61	2.17	1.89	1.39	---	---	30
31	---		0.044B		0.354		2.56	2.21		1.34		---	31
TOTAL	---	---	1.115	50.593	23.212	3.444	125.085	71.18	62.18	45.94	---	---	TOTAL
MEAN	---	---	0.036	1.69	0.749	0.115	4.03	2.30	2.07	1.48	---	---	MEAN
MAX	---	---	0.047	6.92	1.47	0.340	11.1	2.63	2.71	1.87	---	---	MAX
MIN	---	---	0.020	0.036	0.354	0.033	0.201	2.03	1.83	1.25	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.56
MAXIMUM DAILY, 11.1 ON JUL 6
MINIMUM DAILY, 0.020B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.6 AT 05:45 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 42 N
LONG 114 22 00 W
DRAINAGE AREA, 513 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 800
FEB	---	AUG	6 150
MAR	96.3	SEP	5 370
APR	4 370	OCT	3 970
MAY	3 010	NOV	---
JUN	298	DEC	---

TOTAL DISCHARGE, 33 100 dam³

WABAMUN LAKE AT WABAMUN - STATION NO. 05DB002

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	725.058	---	---	724.744	724.683	1
2	---	---	---	---	---	---	---	---	724.930	---	---	---	2
3	---	724.699	---	---	724.906	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	724.820	---	---	4
5	---	---	724.723	724.744	---	---	725.073	---	---	---	---	---	5
6	---	---	---	---	---	---	725.049	---	724.918	---	---	724.677	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	724.720	---	8
9	---	---	---	---	---	---	---	724.979	---	---	---	---	9
10	---	---	---	---	724.906	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	724.796	---	---	11
12	---	---	---	724.750	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	725.058	---	724.888	---	---	724.674	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	724.692	---	15
16	---	---	---	---	---	---	---	724.968	---	---	---	---	16
17	---	---	---	---	724.897	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	724.784	---	---	18
19	---	---	---	724.756	---	---	---	---	---	---	---	---	19
20	---	---	---	724.790	---	---	725.116	---	724.857	---	---	724.671	20
21	---	---	---	---	---	724.860	---	---	---	---	---	---	21
22	---	724.705	724.729	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	724.982	---	---	724.689	---	23
24	---	---	---	---	724.912	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	724.766	---	---	25
26	---	---	---	724.881	---	---	725.086	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	724.836	724.750	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		724.729	---	---	---	---	---	---	---	724.677	---	29
30	---		---	---	---	---	---	724.930	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 33 07 N
LONG 114 29 33 W

REGULATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.66B	1.44 B	1.20B	1.48B	270	95.5	12.2	12.6	28.1	16.8	12.8 B	9.72B	1
2	2.20B	1.46 B	1.10B	1.62B	274	88.9	11.6	19.4	27.3	16.5	14.3 B	9.40B	2
3	2.00B	1.58 B	1.15B	1.76B	264	83.8	11.2	34.1	26.3	16.4	13.6 B	9.40B	3
4	1.80B	1.70 B	1.21B	1.77B	256	76.9	12.1	32.3	25.3	16.4	13.2 B	9.08B	4
5	1.70B	1.70 B	1.35B	1.67B	246	72.3	12.8	39.2	24.9	16.2	14.0 B	8.52B	5
6	1.60B	1.60 B	1.51B	1.63B	229	67.4	12.8	38.4	24.5	16.1	13.0 B	7.68B	6
7	1.60B	1.40 B	1.67B	1.65B	210	63.0	12.3	38.2	23.6	16.0	11.5 B	7.22B	7
8	1.65B	1.20 B	1.74B	1.71B	199	58.7	12.1	38.3	22.6	15.7	11.2 B	7.36B	8
9	1.65B	1.10 B	1.79B	1.74B	189	53.8	11.5	37.8	22.3	15.5	10.8 B	7.64B	9
10	1.70B	1.00 B	1.78B	1.79B	177	49.9	10.8	37.7	24.1	15.6	11.5 B	7.71B	10
11	1.75B	0.900B	1.81B	2.03B	167	47.3	10.3	36.9	24.3	15.6	10.9 B	7.64B	11
12	1.90B	0.950B	1.78B	2.14B	158	44.4	9.86	36.7	24.2	15.6	11.2 B	7.43B	12
13	1.95B	1.00 B	1.74B	2.23B	158	41.4	10.2	36.4	23.5	15.4	11.4 B	7.70B	13
14	2.00B	1.12 B	1.72B	2.29B	161	38.6	9.32	36.3	22.7	15.1	11.7 B	7.84B	14
15	1.89B	1.17 B	1.71B	2.49B	168	36.9	9.07	36.6	22.1	15.0	11.8 B	8.37B	15
16	1.70B	1.19 B	1.73B	2.52B	178	35.1	8.87	36.4	21.3	16.4	11.2 B	8.52B	16
17	1.50B	1.20 B	1.81B	3.30B	195	32.6	8.86	36.4	20.5	16.5	10.0 B	8.32B	17
18	1.40B	1.40 B	1.90B	3.50B	204	30.5	9.19	35.1	19.8	16.8	9.69B	8.24B	18
19	1.30B	1.72 B	1.70B	3.65B	208	29.2	8.92	33.2	19.5	17.1	9.21B	8.21B	19
20	1.20B	1.25 B	1.97B	5.34B	207	27.9	8.36	31.8	19.2	16.1	8.44B	8.09B	20
21	1.20B	1.19 B	2.20B	10.0 B	201	26.9A	8.64	30.9	18.7	13.7B	8.91B	7.69B	21
22	1.10B	1.38 B	1.92B	13.8 B	192	23.2B	8.53	31.4	18.3	12.8B	9.69B	7.40B	22
23	1.10B	1.61 B	1.84B	21.7 B	179	19.5A	7.98	30.2	17.9	14.8B	10.0 B	7.18B	23
24	1.10B	1.62 B	2.03B	44.3 B	167	18.4	7.52	29.9	17.5	17.4B	10.1 B	6.91B	24
25	1.20B	1.60 B	1.90B	85.4 B	156	17.4	8.14	29.4	17.5	18.1B	10.1 B	6.87B	25
26	1.28B	1.50 B	1.72B	97.0 B	146	16.7	8.73	28.6	17.1	18.3B	10.1 B	6.87B	26
27	1.28B	1.46 B	1.56B	139 B	138	15.7	9.60	28.2	16.8	17.4	10.0 B	7.01B	27
28	1.30B	1.40 B	1.46B	182 A	129	14.7	9.92	28.7	16.9	18.1	10.0 B	6.94B	28
29	1.32B		1.47B	217	120	13.8	9.92	28.5	17.0	16.4B	9.96B	6.94B	29
30	1.32B		1.48B	255	111	12.9	9.58	28.3	17.0	11.6B	9.96B	6.87B	30
31	1.34B		1.45B		103		9.80	28.3		13.8B		6.87B	31
TOTAL	48.69	37.800	51.40	1 111.51	5 760	1 253.5	310.71	1 005.2	640.8	493.2	330.26	241.68	TOTAL
MEAN	1.57	1.35	1.66	37.1	186	41.8	10.0	32.4	21.4	15.9	11.0	7.80	MEAN
MAX	2.66	1.72	2.20	255	274	95.5	12.8	39.2	28.1	18.3	14.3	9.72	MAX
MIN	1.10	0.900	1.10	1.48	103	12.9	7.52	12.6	16.8	11.6	8.44	6.87	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.9
MAXIMUM DAILY, 274 ON MAY 3
MINIMUM DAILY, 0.900B ON FEB 11
MAXIMUM INSTANTANEOUS,
325 AT 11:00 MST ON APR 30

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 30 N
LONG 115 23 20 W
DRAINAGE AREA, 35 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 210	JUL	26 800
FEB	3 270	AUG	86 800
MAR	4 440	SEP	55 400
APR	96 000	OCT	42 600
MAY	498 000	NOV	28 500
JUN	108 000	DEC	20 900

TOTAL DISCHARGE, 975 000 dam³

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.54	0E	0E	0E	0E	0E	---	---	1
2	---	---	0B	0 B	2.85	0E	0E	0E	0E	0E	---	---	2
3	---	---	0B	0 B	2.27	0E	0E	0E	0E	0E	---	---	3
4	---	---	0B	0 B	1.95	0E	0E	0E	0E	0E	---	---	4
5	---	---	0B	0 B	1.73	0E	0E	0E	0E	0E	---	---	5
6	---	---	0B	0 B	1.53	0E	0E	0E	0E	0E	---	---	6
7	---	---	0B	0 B	1.37	0E	0E	0E	0E	0E	---	---	7
8	---	---	0B	0 B	1.19	0E	0E	0E	0E	0E	---	---	8
9	---	---	0B	0 B	1.03	0E	0E	0E	0E	0E	---	---	9
10	---	---	0B	0 B	0.879	0E	0E	0E	0E	0E	---	---	10
11	---	---	0B	0 B	0.761	0E	0E	0E	0E	0E	---	---	11
12	---	---	0B	0 B	0.700E	0E	0E	0E	0E	0E	---	---	12
13	---	---	0B	0.004B	0.600E	0E	0E	0E	0E	0E	---	---	13
14	---	---	0B	0.100B	0.500E	0E	0E	0E	0E	0E	---	---	14
15	---	---	0B	0.200B	0.400E	0E	0E	0E	0E	0E	---	---	15
16	---	---	0B	0.350B	0.300E	0E	0E	0E	0E	0E	---	---	16
17	---	---	0B	0.500B	0.250E	0E	0E	0E	0E	0E	---	---	17
18	---	---	0B	0.650B	0.200E	0E	0E	0E	0E	0E	---	---	18
19	---	---	0B	0.900B	0.150E	0E	0E	0E	0E	0E	---	---	19
20	---	---	0B	2.18 B	0.070E	0E	0E	0E	0E	0E	---	---	20
21	---	---	0B	4.30 B	0 E	0E	0E	0E	0E	0E	---	---	21
22	---	---	0B	12.5 A	0 E	0E	0E	0E	0E	0E	---	---	22
23	---	---	0B	26.3	0 E	0E	0E	0E	0E	0E	---	---	23
24	---	---	0B	34.1	0 E	0E	0E	0E	0E	0E	---	---	24
25	---	---	0B	31.2	0 E	0E	0E	0E	0E	0E	---	---	25
26	---	---	0B	22.9	0 E	0E	0E	0E	0E	0E	---	---	26
27	---	---	0B	14.3	0 E	0E	0E	0E	0E	0E	---	---	27
28	---	---	0B	8.71	0 E	0E	0E	0E	0E	0E	---	---	28
29	---		0B	5.89	0 E	0E	0E	0E	0E	0E	---	---	29
30	---		0B	4.49	0 E	0E	0E	0E	0E	0E	---	---	30
31	---		0B		0 E		0E	0E		0E		---	31
TOTAL	---	---	0	169.574	22.270	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	5.65	0.718	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	34.1	3.54	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.783
MAXIMUM DAILY, 34.1 ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
35.3 AT 18:35 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 27 N
LONG 113 55 26 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	14 700	OCT	0
MAY	1 920	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 16 600 dam³

REMARKS - PEAK DISCHARGE IS SAME AS MEASUREMENT AT SAME TIME WITH QUESTIONABLE ICE EFFECT

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.110	0.002E	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.021	0.002E	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.074	0.002E	0	0.001E	0	0	---	---	3
4	---	---	0B	0 B	0.054	0.002E	0	0.003E	0	0	---	---	4
5	---	---	0B	0 B	0.043	0.002E	0	0.004E	0	0	---	---	5
6	---	---	0B	0 B	0.035E	0.001E	0	0.005A	0	0	---	---	6
7	---	---	0B	0 B	0.028E	0.001E	0	0.004A	0	0	---	---	7
8	---	---	0B	0 B	0.024E	0.001E	0	0.003E	0	0	---	---	8
9	---	---	0B	0 B	0.016E	0.001E	0	0.002E	0	0	---	---	9
10	---	---	0B	0 B	0.009A	0.001E	0	0.001E	0	0	---	---	10
11	---	---	0B	0 B	0.008E	0.001E	0	0.001E	0	0	---	---	11
12	---	---	0B	0 B	0.008E	0	0	0.001E	0	0	---	---	12
13	---	---	0B	0 B	0.007E	0	0	0.001E	0	0	---	---	13
14	---	---	0B	0 B	0.007A	0	0	0.001E	0	0	---	---	14
15	---	---	0B	0 B	0.007	0	0	0.001E	0	0	---	---	15
16	---	---	0B	0.001B	0.007	0	0	0.001E	0	0	---	---	16
17	---	---	0B	0.001B	0.007	0	0	0.001E	0	0	---	---	17
18	---	---	0B	0.001B	0.006	0	0	0.001E	0	0	---	---	18
19	---	---	0B	0.001B	0.006	0	0	0.001E	0	0	---	---	19
20	---	---	0B	0.002B	0.005	0	0	0.001E	0	0	---	---	20
21	---	---	0B	0.004B	0.005	0	0	0.001E	0	0	---	---	21
22	---	---	0B	0.047B	0.005	0	0	0.001E	0	0	---	---	22
23	---	---	0B	1.00 B	0.004	0	0	0.001E	0	0	---	---	23
24	---	---	0B	2.88 B	0.004	0	0	0.001E	0	0	---	---	24
25	---	---	0B	2.79	0.004A	0	0	0.001E	0	0	---	---	25
26	---	---	0B	1.84	0.004E	0	0	0.001E	0	0	---	---	26
27	---	---	0B	0.849	0.004E	0	0	0.001E	0	0	---	---	27
28	---	---	0B	0.463	0.003E	0	0	0	0	0	---	---	28
29	---		0B	0.307	0.003E	0	0	0	0	0	---	---	29
30	---		0B	0.178	0.003E	0	0	0	0	0	---	---	30
31	---		0B		0.003E		0	0		0		---	31
TOTAL	---	---	0	9.524	0.584	0.016	0	0.040	0	0	---	---	TOTAL
MEAN	---	---	0	0.317	0.019	0.001	0	0.001	0	0	---	---	MEAN
MAX	---	---	0	2.79	0.110	0.002	0	0.005	0	0	---	---	MAX
MIN	---	---	0	0	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.041
MAXIMUM DAILY, 2.79 ON APR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.94 AT 20:00 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 01 37 N
LONG 117 56 08 W
DRAINAGE AREA, 149 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	3.46
MAR	0	SEP	0
APR	823	OCT	0
MAY	50.5	NOV	---
JUN	1.38	DEC	---

TOTAL DISCHARGE, 878 dam³

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.60 B	3.58	3.57	1.70 E	1.14	2.24	---	---	1
2	---	---	---	---	1.50 B	3.65	3.18	1.65 E	1.04	2.45	---	---	2
3	---	---	---	---	1.35 B	3.58	2.81	1.55 E	0.961	2.35	---	---	3
4	---	---	---	---	1.14	3.06	2.77	1.45 E	1.65	2.00	---	---	4
5	---	---	---	---	1.04 A	3.41	3.63	1.40 E	1.77	1.83	---	---	5
6	---	---	---	---	0.766	3.53	4.05	1.30 A	1.53	1.72	---	---	6
7	---	---	---	---	0.573	2.64	3.90	1.20	1.43	1.59	---	---	7
8	---	---	---	---	0.335	2.90	3.68	1.15	1.30	1.42	---	---	8
9	---	---	---	---	0.332	3.85	3.24	1.16	1.19	1.31	---	---	9
10	---	---	---	---	0.533	4.48	2.82	1.25	1.63	1.32	---	---	10
11	---	---	---	---	1.63 B	3.98	2.61	1.16	1.30	1.27	---	---	11
12	---	---	---	---	2.76	3.65	2.49	1.17	1.29	1.23	---	---	12
13	---	---	---	---	2.69	3.56	2.38	1.17	1.27	1.22	---	---	13
14	---	---	---	---	2.54	3.47	2.30	1.22	1.14	1.24	---	---	14
15	---	---	---	---	2.99	3.19	2.18	1.16	1.16	1.27	---	---	15
16	---	---	---	---	3.38	4.02	2.10	1.08	1.24	1.34	---	---	16
17	---	---	---	---	3.28	3.10	2.00	1.01	1.18	1.42	---	---	17
18	---	---	---	---	2.95	2.56	1.87	0.949	1.13	1.34	---	---	18
19	---	---	---	---	2.67	2.50	1.80	0.902	1.10	1.26	---	---	19
20	---	---	---	---	2.32	2.41	3.07	0.936	1.07	1.22	---	---	20
21	---	---	---	---	2.31	2.22	3.62	0.951	1.02	1.22	---	---	21
22	---	---	---	---	2.29	2.83	3.70E	0.908	1.05	1.18	---	---	22
23	---	---	---	---	2.32	3.96	3.00E	0.984	0.987	1.14	---	---	23
24	---	---	---	---	2.52	3.24	2.50E	0.959	0.895	1.08	---	---	24
25	---	---	---	---	2.81	2.82	2.30E	0.988	0.860	1.05	---	---	25
26	---	---	---	---	2.15	2.56	2.40E	1.64	3.19	1.06	---	---	26
27	---	---	---	---	1.76	3.17	2.10E	1.57	2.55	1.04	---	---	27
28	---	---	---	---	1.68	5.05	2.20E	1.45	2.44	1.01 A	---	---	28
29	---		---	1.86B	1.87	4.73	2.10E	1.51	2.25	0.980E	---	---	29
30	---		---	1.75B	2.19	4.33	1.90E	1.44	2.02	0.950E	---	---	30
31	---		---		2.94		1.80E	1.23		0.920E		---	31
TOTAL	---	---	---	---	61.219	101.95	84.07	38.197	42.783	42.570	---	---	TOTAL
MEAN	---	---	---	---	1.97	3.40	2.71	1.23	1.43	1.37	---	---	MEAN
MAX	---	---	---	---	3.38	5.05	4.05	1.70	3.19	2.45	---	---	MAX
MIN	---	---	---	---	0.332	2.22	1.80	0.902	0.860	0.920	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.02
MAXIMUM DAILY, 5.05 ON JUN 28
MINIMUM DAILY, 0.332 ON MAY 9
MAXIMUM INSTANTANEOUS,
10.0 AT 20:46 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 22 04 N
LONG 114 59 27 W
DRAINAGE AREA, 229 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 260
FEB	---	AUG	3 300
MAR	---	SEP	3 700
APR	---	OCT	3 680
MAY	5 290	NOV	---
JUN	8 810	DEC	---

TOTAL DISCHARGE, 32 000 dam³

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	0.135B	0.165B	0.195B	1.97	3.88	3.98	2.01	1.48	2.31	0.872	0.570B	1
2	0.510B	0.140B	0.170B	0.195B	2.11	3.59	3.64	1.98	1.41	2.43	0.645	0.560B	2
3	0.440B	0.140B	0.175B	0.205B	2.37	4.35	3.29	1.83	1.35	2.26	0.557B	0.560B	3
4	0.388B	0.135B	0.185B	0.220B	1.77	4.35	3.36	1.75	1.73	2.07	0.580B	0.560B	4
5	0.320B	0.130B	0.190B	0.240B	1.45	3.64	4.26	1.71	1.91	1.92	0.600B	0.550B	5
6	0.290B	0.125B	0.200B	0.255B	1.41	4.79	4.69	1.64	1.69	1.80	0.620B	0.550B	6
7	0.270B	0.120B	0.205B	0.269B	1.36	3.92	4.43	1.59	1.61	1.71	0.587B	0.550B	7
8	0.250B	0.115B	0.215B	0.290B	1.22	3.79	4.26	1.57	1.56	1.60	0.600B	0.550B	8
9	0.200B	0.110B	0.221B	0.320B	1.18	4.36	3.83	1.56	1.47	1.51	0.600B	0.550B	9
10	0.130B	0.110B	0.220B	0.350B	1.27	5.38	3.23	1.61	1.74	1.50	0.600B	0.560B	10
11	0.100B	0.115B	0.220B	0.390B	1.75	5.52	2.94	1.53	1.59	1.48	0.600B	0.560B	11
12	0.095B	0.120B	0.220B	0.430B	2.58	5.37	2.87	1.54	1.53	1.44	0.590B	0.570B	12
13	0.087B	0.130B	0.220B	0.480B	2.73	5.39	2.93	1.54	1.55	1.42	0.590B	0.580B	13
14	0.090B	0.150B	0.220B	0.530B	2.58	4.69	2.66	1.57	1.47	1.41	0.590B	0.580B	14
15	0.090B	0.160B	0.220B	0.570B	2.91	4.50	2.42	1.55	1.45	1.42	0.590B	0.580B	15
16	0.095B	0.165B	0.215B	0.610B	3.46	4.55	2.33	1.48	1.50	1.45	0.590B	0.580B	16
17	0.095B	0.170B	0.210B	0.625B	3.76	5.21	2.24	1.42	1.45	1.47	0.590B	0.590B	17
18	0.100B	0.176B	0.205B	0.645B	3.35	4.16	2.14	1.38	1.43	1.44	0.590B	0.600B	18
19	0.100B	0.180B	0.200B	0.663B	3.00	3.77	2.06	1.35	1.41	1.41	0.580B	0.600B	19
20	0.095B	0.180B	0.195B	0.870B	2.57	3.19	2.79	1.34	1.39	1.33	0.570B	0.600B	20
21	0.090B	0.175B	0.195B	1.20 B	2.51	2.76	3.59	1.36	1.36	1.36	0.560B	0.600B	21
22	0.085B	0.175B	0.195B	1.60 B	2.27	3.27	3.70	1.36	1.37	1.32	0.560B	0.612B	22
23	0.080B	0.170B	0.195B	1.80 B	2.27	5.70	3.23	1.38	1.38	1.31	0.550B	0.600B	23
24	0.080B	0.170B	0.195B	1.95 B	2.13	3.61	2.82	1.36	1.30	1.26	0.550B	0.600B	24
25	0.085B	0.165B	0.195B	2.00 B	2.73	3.21	2.68	1.34	1.28	1.24	0.552B	0.580B	25
26	0.090B	0.165B	0.195B	2.08 B	2.42	3.02	2.74	1.73	3.38	1.23	0.550B	0.560B	26
27	0.095B	0.160B	0.195B	2.30	2.35	3.69	2.53	1.72	2.94	1.22	0.550B	0.540B	27
28	0.098B	0.165B	0.195B	2.31	3.10	6.07	2.57	1.60	2.55	1.19	0.550B	0.520B	28
29	0.110B		0.195B	2.60	2.88	5.78	2.35	1.65	2.49	1.10 B	0.560B	0.510B	29
30	0.120B		0.193B	2.32	2.70	5.03	2.26	1.73	2.21	0.948	0.580B	0.500B	30
31	0.130B		0.195B		3.02		2.11	1.56		1.01		0.490B	31
TOTAL	5.400	4.151	6.214	28.512	73.18	130.54	94.93	48.68	50.96	46.568	17.703	17.512	TOTAL
MEAN	0.174	0.148	0.200	0.950	2.36	4.35	3.06	1.57	1.70	1.50	0.590	0.565	MEAN
MAX	0.600	0.180	0.221	2.60	3.76	6.07	4.69	2.01	3.38	2.43	0.872	0.612	MAX
MIN	0.080	0.110	0.165	0.195	1.18	2.76	2.06	1.30	1.28	0.948	0.550	0.490	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.44
MAXIMUM DAILY, 6.07 ON JUN 28
MINIMUM DAILY, 0.080B ON JAN 23
MAXIMUM INSTANTANEOUS,
15.4 AT 23:14 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 58 N
LONG 114 50 15 W
DRAINAGE AREA, 334 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	467	JUL	8 200
FEB	359	AUG	4 210
MAR	537	SEP	4 400
APR	2 460	OCT	4 020
MAY	6 320	NOV	1 530
JUN	11 300	DEC	1 510

TOTAL DISCHARGE, 45 300 dam³

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.005B	1.41 B	0.662	0.373	0.504	0.408	0.565	0.155B	---	1
2	---	---	---	0.005B	1.32 B	0.573	0.375	0.437	0.359	0.672A	0.154B	---	2
3	---	---	---	0.005B	0.842B	0.578	0.891	0.370	0.326	1.25 E	0.152B	---	3
4	---	---	---	0.005B	0.674B	0.514	4.17	0.319	0.623	1.00 E	---	---	4
5	---	---	---	0.005B	0.609B	1.14	5.55	0.282	0.591	0.840E	---	---	5
6	---	---	---	0.006B	0.884B	1.09	3.71	0.248	0.468	0.750E	---	---	6
7	---	---	---	0.007B	0.556B	0.902	2.50	0.228	0.423	0.698A	---	---	7
8	---	---	---	0.008B	0.672B	0.955	1.79	0.218	0.390	0.622	---	---	8
9	---	---	---	0.009B	0.637B	1.26	1.40	0.307	0.364	0.562	---	---	9
10	---	---	---	0.010B	0.675B	0.979	1.10	0.600	0.366	0.579	---	---	10
11	---	---	---	0.010B	0.874B	0.839	0.869	0.416	0.330	0.593	---	---	11
12	---	---	---	0.010B	0.892B	0.730	0.736	0.374	0.405	0.542	---	---	12
13	---	---	---	0.010B	0.911B	0.646	0.670	0.291	0.406	0.525	---	---	13
14	---	---	---	0.010B	0.925B	0.585	1.11	0.319	0.339	0.502	---	---	14
15	---	---	---	0.010B	0.797B	0.533	1.64	0.398	0.317	0.468	---	---	15
16	---	---	---	0.011B	0.750B	0.481	1.17	0.342	0.306	0.446	---	---	16
17	---	---	---	0.012B	0.412B	0.430	0.922	0.287	0.276	0.425	---	---	17
18	---	---	---	0.014B	0.488B	0.380	0.784	0.241	0.253	0.337B	---	---	18
19	---	---	---	0.030B	0.631	0.346	1.10	0.219	0.239	0.347B	---	---	19
20	---	---	---	0.140B	0.547	0.323	0.922	0.210	0.228	0.355B	---	---	20
21	---	---	---	0.260B	0.518	0.299	0.853	0.210	0.220	0.360B	---	---	21
22	---	---	---	0.320B	0.466	0.291	0.832	0.370	0.214	0.365B	---	---	22
23	---	---	---	0.600B	0.489	0.304	0.684	0.278	0.208	0.367B	---	---	23
24	---	---	---	0.580B	0.475	0.271	0.641	0.237	0.201	0.368B	---	---	24
25	---	---	---	0.500B	0.540	0.260	0.575	0.266	0.199	0.370B	---	---	25
26	---	---	---	0.470B	0.802	0.253	0.501	0.595	0.274	0.360B	---	---	26
27	---	---	---	0.620B	1.39	0.316	0.445	0.513	0.292	0.300B	---	---	27
28	---	---	---	0.850B	1.29	0.552	0.396	0.710	0.476	0.200B	---	---	28
29	---		---	1.02 B	1.27	0.427	0.351	0.564	0.589	0.160B	---	---	29
30	---		---	1.47 B	1.13	0.398	0.309	0.544	0.506	0.140B	---	---	30
31	---		---		0.808		0.278	0.470		0.145B		---	31
TOTAL	---	---	---	7.012	24.284	17.317	37.647	11.367	10.596	15.213	---	---	TOTAL
MEAN	---	---	---	0.234	0.783	0.577	1.21	0.367	0.353	0.491	---	---	MEAN
MAX	---	---	---	1.47	1.41	1.26	5.55	0.710	0.623	1.25	---	---	MAX
MIN	---	---	---	0.005	0.412	0.253	0.278	0.210	0.199	0.140	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.577
MAXIMUM DAILY, 5.55 ON JUL 5
MINIMUM DAILY, 0.005B ON APR 1
MAXIMUM INSTANTANEOUS,
7.43 AT 19:55 MST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 22 N
LONG 117 15 40 W
DRAINAGE AREA, 25.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 250
FEB	---	AUG	982
MAR	---	SEP	915
APR	606	OCT	1 310
MAY	2 100	NOV	---
JUN	1 500	DEC	---

TOTAL DISCHARGE, 10 700 dam³

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.178B	0.169B	0.083B	0.160B	8.70	5.28	0.380	1.32	1.46	0.456	0.566B	0.235B	1
2	0.178B	0.164B	0.080B	0.175B	8.98	5.07	0.417	1.33	1.40	0.475	0.524B	0.232B	2
3	0.176B	0.163B	0.083B	0.170B	8.66	4.99	0.680	1.58	1.33	0.469	0.508B	0.237B	3
4	0.175B	0.154B	0.074B	0.169B	8.37	4.66	0.974	1.59	1.19	0.429	0.519B	0.237B	4
5	0.174B	0.139B	0.073B	0.163B	8.34	4.33	1.09	1.56	1.10	0.389	0.495B	0.238B	5
6	0.172B	0.134B	0.078B	0.171B	7.40	4.01	1.19	1.84	1.06	0.338	0.484B	0.241B	6
7	0.170B	0.127B	0.079B	0.159B	6.63	3.53	1.25	2.10	1.14	0.415	0.467B	0.239B	7
8	0.168B	0.129B	0.084B	0.169B	6.24	3.51	1.38	2.28	0.975	0.428	0.438B	0.230B	8
9	0.166B	0.132B	0.091B	0.168B	5.83	3.09	1.44	2.44	0.889	0.413	0.426B	0.214B	9
10	0.164B	0.139B	0.081B	0.165B	5.61	2.78	1.52	2.57	0.944	0.430	0.410B	0.219B	10
11	0.163B	0.133B	0.077B	0.194B	5.15	2.43	1.53	3.07	0.860	0.470	0.391B	0.210B	11
12	0.163B	0.131B	0.077B	0.177B	4.98	2.21	1.47	3.05	0.760	0.451	0.362B	0.220B	12
13	0.159B	0.141B	0.078B	0.171B	4.54	2.08	1.36	2.98	0.657	0.464	0.353B	0.216B	13
14	0.202B	0.147B	0.073B	0.138B	4.07	1.97	1.32	2.83	0.580	0.548	0.360B	0.202B	14
15	0.206B	0.132B	0.074B	0.119B	3.66	1.82	1.57	2.76	0.656	0.428	0.353B	0.205B	15
16	0.199B	0.123B	0.074B	0.122	3.69	1.59	1.53	2.76	0.596	0.469	0.338B	0.196B	16
17	0.200B	0.110B	0.074B	0.144	3.33	1.44	1.47	2.76	0.615	0.705	0.324B	0.193B	17
18	0.188B	0.103B	0.077B	0.156	3.03	1.29	1.60	2.74	0.591	0.564	0.332B	0.190B	18
19	0.175B	0.086B	0.078B	0.184	2.90	1.08	1.67	2.56	0.568	0.541	0.349B	0.194B	19
20	0.180B	0.076B	0.079B	0.255	2.57	0.932	1.52	2.39	0.548	0.549	0.340B	0.200B	20
21	0.178B	0.101B	0.079B	0.449	2.41	0.894	1.48	2.30	0.577	0.534	0.315B	0.188B	21
22	0.172B	0.088B	0.086B	0.611	2.24	0.862	1.76	2.23	0.604	0.523	0.322B	0.188B	22
23	0.169B	0.088B	0.086B	1.05	2.82	0.733	1.78	2.10	0.564	0.532	0.297B	0.192B	23
24	0.184B	0.088B	0.082B	1.69	2.67	0.584	1.69	2.05	0.568	0.540	0.290B	0.195B	24
25	0.185B	0.086B	0.083B	2.34	2.83	0.506	1.68	1.97	0.603	0.520	0.288B	0.192B	25
26	0.168B	0.086B	0.091B	3.33	3.41	0.499	1.56	1.75	0.531	0.541	0.269B	0.191B	26
27	0.176B	0.093B	0.100B	4.65	3.91	0.419	1.59	1.49	0.475	0.574	0.264B	0.188B	27
28	0.174B	0.085B	0.117B	6.30	4.41	0.381	1.54	1.75	0.469	0.546B	0.260B	0.187B	28
29	0.169B		0.162B	7.53	4.91	0.346	1.43	1.57	0.616	0.542B	0.249B	0.203B	29
30	0.169B		0.171B	8.49	5.35	0.307	1.49	1.49	0.441	0.533B	0.244B	0.204B	30
31	0.169B		0.148B		5.46		1.35	1.52		0.516B		0.193B	31
TOTAL	5.469	3.347	2.772	39.769	153.10	63.623	42.671	66.73	23.359	15.332	11.137	6.469	TOTAL
MEAN	0.176	0.120	0.089	1.33	4.94	2.12	1.38	2.15	0.779	0.495	0.371	0.209	MEAN
MAX	0.206	0.169	0.171	8.49	8.98	5.28	1.76	3.07	1.46	0.705	0.566	0.241	MAX
MIN	0.159	0.076	0.073	0.119	2.24	0.307	0.380	1.32	0.441	0.338	0.244	0.187	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.19
MAXIMUM DAILY, 8.98 ON MAY 2
MINIMUM DAILY, 0.073B ON MAR 5
MAXIMUM INSTANTANEOUS,
9.30 AT 06:18 MST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 57 N
LONG 112 27 58 W
DRAINAGE AREA, 1 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	473	JUL	3 690
FEB	289	AUG	5 770
MAR	240	SEP	2 020
APR	3 440	OCT	1 320
MAY	13 200	NOV	963
JUN	5 500	DEC	559

TOTAL DISCHARGE, 37 500 dam³

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.30B	12.2 B	7.61B	7.77B	151	331	159	251E	108 A	89.9	44.0E	18.3B	1
2	8.70B	12.4 B	7.78B	7.82B	129	399	170	299A	106	86.4	39.5B	18.5B	2
3	8.30B	12.6 B	7.78B	7.89B	120	442	183	1 360A	102	82.7	32.5B	18.5B	3
4	8.00B	12.7 B	7.81B	7.89B	118	486	205	1 150A	96.9	77.5	28.0B	18.0B	4
5	8.20B	12.6 B	7.82B	7.76B	107	470	325	725A	95.5	73.2	25.0B	17.5B	5
6	8.50B	12.5 B	7.81B	7.83B	107	422	419	602A	105	69.7	28.0B	16.9B	6
7	8.30B	12.2 B	7.79B	8.13B	124	347	370	500E	100	67.3	24.0B	16.4B	7
8	10.0 B	11.4 B	7.72B	8.50B	139	295	336	397E	97.8	65.7	22.0B	16.2B	8
9	11.0 B	10.9 B	7.76B	8.83B	152	275	278	291A	157	62.8	21.0B	16.0B	9
10	12.0 B	10.7 B	7.81B	9.12B	172	302	237	219A	259	59.5	23.0B	14.8B	10
11	11.5 B	10.4 B	7.91B	9.33B	203	354	206	196A	236	57.7	21.0B	16.8B	11
12	11.0 B	10.1 B	7.89B	9.63B	224	383	185	171A	191	56.8	19.5B	17.9B	12
13	10.5 B	9.20B	7.98B	10.2 B	234	402	168	170A	165	58.5	18.0B	17.3B	13
14	10.0 B	9.16B	8.03B	10.5 B	233	424	173	160E	146	56.2	17.0B	16.8B	14
15	9.50B	9.01B	8.06B	11.1 B	246	418	2 690	155E	130	55.3	18.0B	18.3B	15
16	9.80B	8.76B	8.09B	11.8 B	280	374	3 630A	169A	120	55.4	18.5B	18.2B	16
17	8.50B	8.76B	8.09B	11.6 B	313	327	1 630A	164A	111	55.6	17.0B	17.7B	17
18	8.07B	8.73B	8.08B	11.6 B	339	302	952E	167A	103	56.5	16.0B	17.6B	18
19	7.95B	8.58B	7.92B	11.3 B	350	303	474A	173A	96.7	50.8	14.5B	18.1B	19
20	7.98B	8.43B	7.87B	11.9 B	306	314	395A	215A	91.0	48.0	14.0B	17.8B	20
21	8.16B	8.30B	7.95B	12.5 B	282	313	347E	180E	86.4	47.4A	13.0B	17.4B	21
22	8.20B	8.19B	7.85B	13.7 B	292	303	298A	144E	82.5	48.0E	12.5B	16.3B	22
23	8.50B	8.12B	8.00B	14.9 B	310	264	274E	108A	78.9	47.5E	12.0B	14.5B	23
24	8.80B	8.07B	8.05B	19.1 B	283	218	251E	112A	76.0	52.0E	11.9B	12.8B	24
25	9.00B	7.99B	8.07B	26.9 B	301	200	228A	110A	72.1	57.3A	12.1B	12.9B	25
26	9.50B	7.89B	8.08B	32.5 B	356	188	208A	124A	71.0	58.0E	12.9B	12.7B	26
27	10.0 B	7.86B	8.11B	57.3 B	291	176	204A	125A	71.9	55.6A	14.7B	14.0B	27
28	10.5 B	7.72B	8.04B	115 B	246	180	167A	119E	73.4	50.5E	14.7B	14.6B	28
29	11.0 B		8.17B	158 B	221	183	161A	112E	80.7	47.5E	17.6B	14.2B	29
30	11.5 B		8.02B	166	227	164	157A	106A	90.2	44.0E	18.0B	13.0B	30
31	12.0 B		8.00B		268		204E	116A		40.0E		12.8B	31
TOTAL	294.46	275.47	245.95	806.40	7 124	9 559	15 394	8 889	3 400.0	1 833.3	599.9	502.8	TOTAL
MEAN	9.50	9.84	7.93	26.9	230	319	497	287	113	59.1	20.0	16.2	MEAN
MAX	12.0	12.7	8.17	166	356	486	3 630	1 360	259	89.9	44.0	18.5	MAX
MIN	7.95	7.72	7.61	7.76	107	164	157	106	71.0	40.0	11.9	12.7	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 134
MAXIMUM DAILY, 3 630A ON JUL 16
MINIMUM DAILY, 7.61B ON MAR 1
MAXIMUM INSTANTANEOUS,
6 300 AT 23:00 MST ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 20 N
LONG 118 48 10 W
DRAINAGE AREA, 11 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 400	JUL	1 330 000
FEB	23 800	AUG	768 000
MAR	21 300	SEP	294 000
APR	69 700	OCT	158 000
MAY	616 000	NOV	51 800
JUN	826 000	DEC	43 400

TOTAL DISCHARGE, 4 230 000 dam³

WARE COULEE ABOVE NATHNIWIN CREEK - STATION NO. 05CJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.066	0.060	2.51	1.23	1.47	0.644	---	---	1
2	---	---	---	---	0.066	0.513	3.99	1.02	1.29	0.606	---	---	2
3	---	---	---	---	0.029	0.921	3.55	0.532	1.00	0.577	---	---	3
4	---	---	---	---	0.054	0.419	3.04	0.763	0.580	0.584	---	---	4
5	---	---	---	---	0.064	0.052	3.25	1.12	0.665	0.604	---	---	5
6	---	---	---	---	0.061	0.163	3.09	1.45	0.688	0.618	---	---	6
7	---	---	---	---	0.060	0.192	1.81	1.87	0.679	0.634	---	---	7
8	---	---	---	---	0.362	0.310	0.766	2.19	0.721	0.693	---	---	8
9	---	---	---	---	0.457	0.556	0.614	1.52	0.698	0.634	---	---	9
10	---	---	---	---	0.386	0.543	0.563	1.28	0.780	0.620	---	---	10
11	---	---	---	---	0.408	1.00	0.508	1.51	0.920	0.599	---	---	11
12	---	---	---	---	1.31	1.38	0.502	1.10	0.892	0.570	---	---	12
13	---	---	---	---	0.686	1.44	0.353	0.651	0.852	0.512	---	---	13
14	---	---	---	---	0.518	1.38	0.447	0.295	0.762	0.462	---	---	14
15	---	---	---	---	0.185	1.17	1.69	1.08	0.740	0.490	---	---	15
16	---	---	---	---	0.147	0.405	0.754	1.32	0.710	0.839	---	---	16
17	---	---	---	---	0.062	0.624	0.528	1.13	0.633	1.37	---	---	17
18	---	---	---	---	0.197	0.715	0.767	1.17	1.06	1.52	---	---	18
19	---	---	---	---	1.13	0.607	0.775	1.19	1.05	1.63	---	---	19
20	---	---	---	0.250A	1.04	0.644	1.16	1.25	1.05	2.04	---	---	20
21	---	---	---	---	0.141	0.823	0.677	0.595	1.18	1.21	2.09	---	21
22	---	---	---	---	0.120	0.522	0.295	0.535	1.36	0.986	1.98	---	22
23	---	---	---	---	0.108	0.552	0.430	0.553	1.43	0.692	1.86	---	23
24	---	---	---	---	0.103	0.368	0.797	0.489	1.18	0.547	1.77	---	24
25	---	---	---	---	0.092	0.143	0.972	0.369	0.681	0.278	1.66	---	25
26	---	---	---	---	0.079	0.252	1.19	0.523	1.09	0.617	1.69 A	---	26
27	---	---	---	---	0.074	0.920	1.55	0.427	1.08	0.973	1.60 E	---	27
28	---	---	---	---	0.073	0.668	1.86	1.16	0.784	1.15	1.50 E	---	28
29	---		---	---	0.076	0.053	2.09	1.11	1.00	1.16	1.40 E	---	29
30	---		---	---	0.073	0.061	2.29	1.23	1.06	0.987	1.30 E	---	30
31	---		---	---		0.060		1.34	1.38		1.20 E		31
TOTAL	---	---	---	---	---	11.710	25.245	39.012	35.896	25.846	36.296	---	---	TOTAL
MEAN	---	---	---	---	---	0.378	0.842	1.26	1.16	0.862	1.11	---	---	MEAN
MAX	---	---	---	---	---	1.31	2.29	3.99	2.19	1.47	2.09	---	---	MAX
MIN	---	---	---	---	---	0.029	0.052	0.353	0.295	0.278	0.462	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.935
MAXIMUM DAILY, 3.99 ON JUL 2
MINIMUM DAILY, 0.029 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 45 N
LONG 111 46 55 W
DRAINAGE AREA, 95.8 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 370
FEB	---	AUG	3 100
MAR	---	SEP	2 230
APR	---	OCT	2 960
MAY	1 010	NOV	---
JUN	2 180	DEC	---

TOTAL DISCHARGE, 14 900 dam³

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.115B	0.120B	0.344B	0.679B	16.3 B	6.87	1.48	3.53	6.89	2.60	2.27 B	0.600B	1
2	0.100B	0.130B	0.350B	0.671B	15.7 B	6.31	1.63	15.2	5.96	2.75	2.38 B	0.570B	2
3	0.090B	0.140B	0.370B	0.669B	19.6 B	5.87	1.57	64.1	5.08	2.59	2.13 B	0.540B	3
4	0.080B	0.160B	0.385B	0.678B	24.8 B	5.60	4.88	80.9	4.46	2.43	2.07 B	0.500B	4
5	0.070B	0.180B	0.450B	0.680B	22.1 B	5.31	27.4	61.3	4.29	2.28	2.08 B	0.460B	5
6	0.100B	0.200B	0.500B	0.674B	30.4 B	5.54	42.7	37.8	4.65	2.12	1.75 B	0.440B	6
7	0.105B	0.190B	0.550B	0.676B	35.0 B	6.27	30.0	22.0	4.93	2.03	1.48 B	0.500B	7
8	0.110B	0.180B	0.580B	0.670B	31.7	6.17	19.4	14.7	4.65	1.95	1.27 B	0.550B	8
9	0.120B	0.180B	0.600B	0.668B	33.8	5.64	13.7	11.1	4.35	1.86	1.08 B	0.600B	9
10	0.125B	0.180B	0.650B	0.666B	37.9	5.34	10.5	8.90	4.28	1.77	1.15 B	0.580B	10
11	0.135B	0.185B	0.680B	0.659B	45.9	5.04	8.46	9.94	4.12	1.68	1.06 B	0.535B	11
12	0.145B	0.190B	0.700B	0.765B	50.3	5.09	7.53	11.4	4.01	1.63	1.16 B	0.500B	12
13	0.155B	0.195B	0.680B	1.12 B	48.6	4.70	6.38	10.0	3.96	1.57	1.23 B	0.495B	13
14	0.170B	0.200B	0.650B	1.17 B	46.4	4.20	5.78	7.80	3.71	1.53	1.26 B	0.504B	14
15	0.161B	0.220B	0.630B	0.935B	44.2	3.77	47.8	9.51	3.48	1.49	1.12 B	0.505B	15
16	0.160B	0.230B	0.620B	0.800B	41.0	3.46	121	9.87	3.16	1.52	1.09 B	0.495B	16
17	0.140B	0.250B	0.600B	0.904B	38.1	3.16	61.4	14.4	2.95	1.69	1.10 B	0.480B	17
18	0.110B	0.270B	0.650B	0.896B	37.7	2.85	36.3	12.8	2.75	1.72	1.07 B	0.465B	18
19	0.080B	0.290B	0.700B	0.864B	37.5	2.55	23.2	9.64	2.52	1.50	1.07 B	0.445B	19
20	0.060B	0.320B	0.780B	1.12 B	30.2	2.32	16.3	7.51	2.36	1.41B	0.960B	0.420B	20
21	0.055B	0.360B	0.800B	1.16 B	22.7	2.20	13.2	6.29	2.21	1.34B	0.800B	0.405B	21
22	0.055B	0.385B	0.750B	1.17 B	19.7	2.13	13.8	5.54	2.08	1.40B	0.600B	0.390B	22
23	0.050B	0.375B	0.710B	1.25 B	17.4	2.03	12.9	4.83	1.97	1.60B	0.440B	0.360B	23
24	0.050B	0.360B	0.720B	1.58 B	14.2	1.91	10.5	4.43	1.89	1.82	0.430B	0.390B	24
25	0.055B	0.355B	0.720B	2.17 B	13.0	1.79	8.61	4.35	1.81	2.02	0.500B	0.410B	25
26	0.055B	0.350B	0.760B	3.03 B	14.8	1.65	8.57	4.86	1.72	2.21	0.540B	0.395B	26
27	0.060B	0.340B	0.810B	3.85 B	13.9	1.57	7.76	5.77	1.64	2.57	0.600B	0.405B	27
28	0.065B	0.335B	0.840B	3.85 B	12.1	1.54	6.47	5.55	1.69	2.66	0.700B	0.435B	28
29	0.075B		0.768B	5.73 B	10.4	1.52	5.26	5.35	1.85	2.51B	0.690B	0.460B	29
30	0.090B		0.707B	9.50 B	8.63	1.51	4.34	5.72	2.09	2.96B	0.640B	0.465B	30
31	0.110B		0.688B		7.55		3.74	7.08		2.90B		0.460B	31
TOTAL	3.070	6.870	19.742	49.254	841.58	113.91	582.36	482.17	101.51	62.11	34.460	14.769	TOTAL
MEAN	0.099	0.245	0.637	1.64	27.1	3.80	18.8	15.6	3.38	2.00	1.15	0.476	MEAN
MAX	0.180	0.385	0.840	9.50	50.3	6.87	121	80.9	6.89	2.96	2.27	0.600	MAX
MIN	0.050	0.120	0.344	0.659	7.55	1.51	1.63	3.53	1.64	1.34	0.430	0.360	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.33
MAXIMUM DAILY, 121 ON JUL 16
MINIMUM DAILY, 0.050B ON JAN 23
MAXIMUM INSTANTANEOUS,
142 AT 10:30 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 03 N
LONG 117 12 20 W
DRAINAGE AREA, 1 040 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	265	JUL	50 300
FEB	594	AUG	41 700
MAR	1 710	SEP	8 770
APR	4 260	OCT	5 370
MAY	72 700	NOV	2 980
JUN	9 840	DEC	1 280

TOTAL DISCHARGE, 200 000 dam³

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.15	0.089	0	0.035	0.001	0	---	---	1
2	---	---	0B	0 B	0.900	0.083	0	0.033	0.001	0	---	---	2
3	---	---	0B	0 B	0.660	0.079	0	0.031	0.001	0	---	---	3
4	---	---	0B	0 B	0.460	0.076	0.009	0.031	0.001	0	---	---	4
5	---	---	0B	0 B	0.324	0.077	0.014	0.026	0.001	0	---	---	5
6	---	---	0B	0 B	0.240	0.077	0.013	0.018	0.001	0	---	---	6
7	---	---	0B	0 B	0.262	0.073	0.007	0.009	0.001	0	---	---	7
8	---	---	0B	0 B	0.294	0.069	0.001	0.002	0.001	0	---	---	8
9	---	---	0B	0 B	0.296	0.064	0	0	0.001	0	---	---	9
10	---	---	0B	0 B	0.232	0.057	0	0	0.001	0	---	---	10
11	---	---	0B	0 B	0.211	0.053	0	0	0.001	0	---	---	11
12	---	---	0B	0 B	0.132	0.048	0	0	0.001	0	---	---	12
13	---	---	0B	0 B	0.105	0.043	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.084	0.040	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.061	0.039	0	0	0	0	---	---	15
16	---	---	0B	0 B	0.082	0.035	0	0	0	0	---	---	16
17	---	---	0B	0.156	0.076	0.029	0	0	0	0	---	---	17
18	---	---	0B	0.626	0.253	0.023	0	0	0	0	---	---	18
19	---	---	0B	0.501	0.362	0.017	0	0	0	0	---	---	19
20	---	---	0B	1.08	0.264	0.013	0	0	0	0	---	---	20
21	---	---	0B	1.56	0.142	0.008	0	0	0	0	---	---	21
22	---	---	0B	2.28	0.085	0.004	0.030	0	0	0	---	---	22
23	---	---	0B	1.97	0.076	0.004	0.083	0	0	0	---	---	23
24	---	---	0B	1.98	0.061	0.001	0.082	0	0	0	---	---	24
25	---	---	0B	1.96	0.048	0	0.079	0	0	0	---	---	25
26	---	---	0B	1.95	0.040	0	0.090	0	0	0	---	---	26
27	---	---	0B	1.90	0.041	0	0.086	0	0	0	---	---	27
28	---	---	0B	1.75	0.046	0	0.074	0	0	0	---	---	28
29	---		0B	1.58	0.059	0	0.061	0	0	0	---	---	29
30	---		0B	1.38	0.074	0	0.049	0.001	0	0	---	---	30
31	---		0B		0.085		0.039	0.001		0		---	31
TOTAL	---	---	0	20.673	7.205	1.101	0.717	0.187	0.012	0	---	---	TOTAL
MEAN	---	---	0	0.689	0.232	0.037	0.023	0.006	0	0	---	---	MEAN
MAX	---	---	0	2.28	1.15	0.089	0.090	0.035	0.001	0	---	---	MAX
MIN	---	---	0	0	0.040	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 2.28 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.58 AT 02:00 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 07 23 N
LONG 112 46 58 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	61.9
FEB	---	AUG	16.2
MAR	0	SEP	1.04
APR	1 790	OCT	0
MAY	623	NOV	---
JUN	95.1	DEC	---

TOTAL DISCHARGE, 2 590 dam³

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0E	0E	0	8.86	9.58	16.7	13.2	8.38	0	0E	1
2	0E	0E	0E	0E	0	8.85	9.59	16.6	8.89	8.34	0	0E	2
3	0E	0E	0E	0E	3.67	8.82	9.61	16.6	9.49	8.33	0A	0E	3
4	0E	0E	0E	0E	13.1	8.83	9.59	16.6	9.64	8.35	0E	0E	4
5	0E	0E	0E	0E	22.3	8.88	9.57	19.5	9.60	8.33	0E	0E	5
6	0E	0E	0E	0E	29.3	8.93	9.60	22.0	9.57	8.30	0E	0E	6
7	0E	0E	0E	0E	32.0	8.94	9.66	21.9	9.53	8.26	0E	0E	7
8	0E	0E	0E	0E	31.6	8.89	9.75	21.9	9.54	8.27	0E	0E	8
9	0E	0E	0E	0E	31.2	8.89	13.3	16.7	9.49	8.27	0E	0E	9
10	0E	0E	0E	0E	30.7	8.85	16.1	29.6	9.46	8.25	0E	0E	10
11	0E	0E	0E	0E	30.3	8.86	16.2	29.4	9.42	8.25	0E	0E	11
12	0E	0E	0E	0E	29.8	8.87	16.4	29.3	9.45	8.26	0E	0E	12
13	0E	0E	0E	0E	31.5	8.88	16.5	26.9	9.41	8.24	0E	0E	13
14	0E	0E	0E	0E	32.2	8.92	16.5	23.3	8.93	8.20	0E	0E	14
15	0E	0E	0E	0E	31.8	8.96	16.6	23.3	8.71	3.42	0E	0E	15
16	0E	0E	0E	0E	31.6	9.02	16.6	23.3	8.69	0.093	0E	0E	16
17	0E	0E	0E	0E	29.3	9.25	16.6	23.2	8.66	0	0E	0E	17
18	0E	0E	0E	0E	28.0	9.22	16.6	23.0	8.63	0	0E	0E	18
19	0E	0E	0E	0E	26.9	9.18	16.6	22.9	8.66A	0	0E	0E	19
20	0E	0E	0E	0A	26.3	9.16	16.6	22.7	8.63E	0	0E	0E	20
21	0E	0E	0E	0	28.8	9.15	16.6	22.6	8.60E	0	0E	0E	21
22	0E	0E	0E	0	23.4	9.18	16.6	22.5	8.57E	0	0E	0E	22
23	0E	0E	0E	0	22.0	9.29	16.6	22.3	8.54E	0	0E	0E	23
24	0E	0E	0E	0	15.6	9.34	16.7	22.2	8.52E	0	0E	0E	24
25	0E	0E	0E	0	12.3	9.35	16.7	22.1	8.49E	0	0E	0E	25
26	0E	0E	0E	0	12.9	9.33	16.7	22.0	8.46E	0	0E	0E	26
27	0E	0E	0E	0	10.9	9.31	16.7	21.8	8.43E	0	0E	0E	27
28	0E	0E	0E	0	8.99	9.35	16.7	21.7	8.41A	0	0E	0E	28
29	0E		0E	0	8.98	9.48	16.7	21.5	8.42	0	0E	0E	29
30	0E		0E	0	8.92	9.55	16.7	21.3	8.39	0	0E	0E	30
31	0E		0E		8.89		16.7	21.2		0		0E	31
TOTAL	0	0	0	0	648.95	272.39	454.90	696.5	272.43	119.543	0	0	TOTAL
MEAN	0	0	0	0	20.9	9.08	14.7	22.5	9.08	3.86	0	0	MEAN
MAX	0	0	0	0	32.2	9.55	16.7	29.6	13.2	8.38	0	0	MAX
MIN	0	0	0	0	0	8.82	9.54	16.6	8.39	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.75
MAXIMUM DAILY, 32.2 ON MAY 14
MINIMUM DAILY, 0E ON JAN 1

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 20 N
LONG 113 38 10 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	39 300
FEB	0	AUG	60 200
MAR	0	SEP	23 500
APR	0	OCT	10 300
MAY	56 100	NOV	0
JUN	23 500	DEC	0

TOTAL DISCHARGE, 213 000 dam³

WATERTON LAKE AT WATERTON PARK - STATION NO. 05AD025

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1278.616	1279.194	1279.658E	1278.822	1278.491	1278.459	---	1278.358	1
2	---	1278.369	---	---	1278.636	1279.185	1279.643	1278.817E	1278.461	1278.454E	1278.468	---	2
3	---	---	1278.464	---	1278.726	1279.224	1279.573	1278.812	1278.461	1278.449	---	---	3
4	1278.389	---	---	---	1278.756	1279.304	1279.503	1278.782	1278.481	1278.458	1278.470	---	4
5	---	---	---	---	1278.776	1279.424	1279.403	1278.772	1278.460	1278.459	---	---	5
6	---	---	---	---	1278.806	1279.504	1279.323	1278.747E	1278.460	1278.459	---	---	6
7	1278.409	---	---	1278.381	1278.776	1279.514	1279.259	1278.722	1278.460	1278.469	---	---	7
8	---	---	---	---	1278.826	1279.474	1279.223	1278.702	1278.440	1278.449	---	1278.358	8
9	---	---	---	---	1278.806	1279.404	1279.193	1278.702	1278.420	1278.439	---	---	9
10	---	---	1278.428	---	1278.795	1279.394	1279.183	1278.702	1278.420	1278.429	1278.418	---	10
11	---	---	---	---	1278.775	1279.454	1279.183	1278.672	1278.420	1278.429	---	---	11
12	1278.379	---	---	---	1278.775	1279.571E	1279.183	1278.651	1278.430	1278.429	---	---	12
13	---	---	---	---	1278.785	1279.688	1279.163	1278.651	1278.440	1278.429E	---	---	13
14	---	---	---	1278.437	1278.815	1279.786E	1279.223	1278.621	1278.420	1278.429	---	1278.338	14
15	---	---	---	---	1278.895	1279.884	1279.183	1278.641	1278.428	1278.429	---	---	15
16	---	1278.439	---	---	1279.007	1279.928	1279.173	1278.611	1278.438	1278.429E	---	1278.400	16
17	---	1278.399	1278.418	---	1279.105	1279.904	1279.113	1278.605	1278.420	1278.429	1278.388	---	17
18	---	---	---	---	1279.215	1279.844	1279.083E	1278.601	1278.440	1278.439	---	---	18
19	---	---	---	---	1279.285	1279.804	1279.053	1278.581	1278.420	1278.459	---	---	19
20	1278.365	---	---	---	1279.305	1279.804	1279.013	1278.571	1278.433	1278.439	---	---	20
21	---	---	---	1278.488	1279.295	1279.828E	1279.032	1278.581	1278.430	1278.439	---	---	21
22	---	---	---	---	1279.335	1279.834	1279.012	1278.561	1278.420	1278.428E	---	---	22
23	---	---	---	---	1279.415	1279.838	1278.982	1278.551	1278.420	1278.418	---	---	23
24	---	1278.491	1278.397	---	1279.445	1279.884	1278.962	1278.558	1278.420	1278.418	1278.368	---	24
25	---	---	---	---	1279.525E	1279.738	1278.942	1278.541	1278.420	1278.458	---	---	25
26	1278.402	---	---	---	1279.605	1279.710E	1278.916	1278.539	1278.420	1278.448	---	---	26
27	---	---	---	---	1279.605	1279.683	1278.902	1278.530E	1278.426	1278.458	---	---	27
28	1278.387	---	---	---	1279.565	1279.683	1278.871	1278.501	1278.431	1278.458E	---	---	28
29	---		---	1278.576	1279.425	1279.659	1278.868	1278.501	1278.437E	1278.458	---	---	29
30	---		1278.383	---	1279.325	1279.673	1278.852	1278.491	1278.442	1278.468	---	---	30
31	---		1278.367		1279.225		1278.822	1278.491E		1278.468E		---	31
MEAN	---	---	---	---	1279.072	1279.624	1279.145	1278.633	1278.437	1278.445	---	---	MEAN
MAX	---	---	---	---	1279.605	1279.920	1279.658	1278.822	1278.491	1278.469	---	---	MAX
MIN	---	---	---	---	1278.616	1279.185	1278.822	1278.491	1278.420	1278.418	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1279.920 ON JUN 16

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 03 12 N
LONG 113 54 18 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERTON RESERVOIR - STATION NO. 05AD026

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1172.057	1172.446	1173.290	1174.616	1176.904	1180.574A	1182.820	1184.708	1181.081	1179.602	1179.899	1179.861	1
2	1172.065	1172.462	1173.349	1174.644	1177.049	1180.543A	1182.945	1184.680	1181.038	1179.562	1179.908	1179.860	2
3	1172.072	1172.478	1173.401	1174.670	1177.193	1180.543	1182.979	1184.658	1180.995	1179.522	1179.919	1179.871	3
4	1172.080	1172.490	1173.459	1174.700	1177.267	1180.604	1182.947	1184.664	1180.939	1179.486	1179.925	1179.885	4
5	1172.088	1172.502	1173.512	1174.724	1177.248	1180.708	1182.884	1184.655	1180.885	1179.447	1179.924	1179.895	5
6	1172.099	1172.510	1173.559	1174.751	1177.131	1180.788	1182.917	1184.598	1180.834	1179.412	1179.917	1179.889	6
7	1172.108	1172.521	1173.605	1174.776	1176.946	1180.840	1183.027	1184.520	1180.777	1179.379	1179.912	1179.874	7
8	1172.116	1172.533	1173.644	1174.793	1176.784	1180.834	1183.262	1184.437	1180.721	1179.345	1179.902	1179.866	8
9	1172.118	1172.543	1173.690	1174.823	1176.622	1180.786	1183.483	1184.340	1180.664	1179.311	1179.901	1179.871	9
10	1172.128	1172.555	1173.744	1174.850	1176.471	1180.748	1183.733	1184.203	1180.599	1179.275	1179.900	1179.872	10
11	1172.140	1172.559	1173.798	1174.907	1176.317	1180.753	1183.982	1184.046	1180.534	1179.236	1179.896	1179.879	11
12	1172.151	1172.566	1173.851	1175.038	1176.159	1180.797	1184.199	1183.882	1180.479	1179.200	1179.881	1179.891	12
13	1172.168	1172.578	1173.899	1175.218	1175.997	1180.887	1184.337	1183.722	1180.435	1179.160	1179.885	1179.900	13
14	1172.181	1172.582	1173.955	1175.378	1175.817	1181.014	1184.462	1183.596	1180.380	1179.121	1179.878	1179.897	14
15	1172.187	1172.598	1174.012	1175.477	1175.669	1181.116	1184.575	1183.474	1180.328	1179.094	1179.865	1179.891	15
16	1172.195	1172.625	1174.062	1175.550	1175.591	1181.182	1184.654	1183.351	1180.284	1179.140	1179.885	1179.890	16
17	1172.211	1172.662	1174.106	1175.615	1175.618	1181.864	1184.668	1183.224	1180.234	1179.182	1179.894	1179.890	17
18	1172.218	1172.699	1174.141	1175.681	1175.788	1181.837	1184.634	1183.090	1180.185	1179.233	1179.886	1179.890	18
19	1172.230	1172.742	1174.179	1175.736	1176.088	1181.721	1184.586	1182.956	1180.133	1179.290	1179.869	1179.889	19
20	1172.241	1172.795	1174.211	1175.786	1176.472	1181.659	1184.571	1182.815	1180.081	1179.353	1179.854	1179.883	20
21	1172.254	1172.861	1174.244	1175.842	1176.863	1181.639	1184.584	1182.680	1180.025	1179.415	1179.848	1179.864	21
22	1172.268	1172.917	1174.274	1175.918	1177.300	1181.706	1184.644	1182.534	1179.972	1179.475	1179.846	1179.869	22
23	1172.281	1172.962	1174.310	1176.012	1177.796	1181.928	1184.678	1182.394	1179.922	1179.532	1179.844	1179.877	23
24	1172.304	1173.013	1174.346	1176.122	1178.411	1182.042	1184.701	1182.254	1179.871	1179.590	1179.846	1179.876	24
25	1172.307	1173.065	1174.372	1176.223	1179.114	1182.057	1184.710	1182.107	1179.817	1179.644	1179.854	1179.873	25
26	1172.328	1173.117	1174.402	1176.314	1179.869	1182.026	1184.706	1181.962	1179.765	1179.701	1179.863	1179.873	26
27	1172.344	1173.176	1174.432	1176.410	1180.488	1181.987	1184.704	1181.829	1179.725	1179.754	1179.872	1179.875	27
28	1172.359	1173.236	1174.469	1176.517	1180.771	1182.034	1184.722	1181.685	1179.695	1179.805	1179.878	1179.869	28
29	1172.383		1174.507	1176.641	1180.797	1182.354	1184.733	1181.532	1179.669	1179.848	1179.877	1179.863	29
30	1172.403		1174.544	1176.775	1180.724	1182.627	1184.735	1181.376	1179.640	1179.874	1179.875	1179.859	30
31	1172.424		1174.579		1180.641		1184.723	1181.217		1179.888		1179.860	31
MEAN	1172.210	1172.707	1173.998	1175.484	1177.481	1181.340	1184.107	1183.264	1180.324	1179.448	1179.883	1179.877	MEAN
MAX	1172.424	1173.236	1174.579	1176.775	1180.797	1182.627	1184.735	1184.708	1181.081	1179.888	1179.925	1179.900	MAX
MIN	1172.057	1172.446	1173.290	1174.616	1175.591	1180.543	1182.820	1181.217	1179.640	1179.094	1179.844	1179.859	MIN

SUMMARY FOR THE YEAR 1982

WATER LEVELS IN METRES

MEAN, 1178.380
MAXIMUM DAILY, 1184.735 ON JUL 30
MINIMUM DAILY, 1172.057 ON JAN 1
MAXIMUM INSTANTANEOUS,
1184.740 AT 21:25 MST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 18 N
LONG 113 40 52 W

A - MANUAL GAUGE

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.18B	1.98B	2.22B	2.36B	2.57	51.8	71.3	5.68	1.77	2.03	6.62	3.50B	1
2	2.18B	1.94B	2.23B	2.28B	2.54	48.4	75.6	5.55	1.79	1.99	6.96	3.30B	2
3	2.17B	1.92B	2.24B	2.18B	2.45	47.6	77.0	5.09	1.76	2.04	7.05	2.98B	3
4	2.15B	1.90B	2.28B	2.02B	2.44	52.1	76.2	1.93	1.85	2.05	7.16	2.70B	4
5	2.14B	1.92B	2.28B	1.80B	2.47	61.1	66.2	2.00	1.83	1.96	7.33	2.65B	5
6	2.15B	1.93B	2.30B	1.64B	2.49	68.4	49.7	2.60	1.81	1.97	7.31	2.68B	6
7	2.17B	1.96B	2.30B	1.60B	2.54	74.2	31.4	2.68	1.78	1.94	7.09	2.84B	7
8	2.17B	1.96B	2.36B	1.60B	2.64	74.5	17.9	2.70	1.79	1.95	6.90	3.10B	8
9	2.16B	1.98B	2.38B	1.80B	2.60	70.4	13.4	2.75	1.78	1.99	6.61	3.80B	9
10	2.15B	1.98B	2.42B	2.30B	2.53	66.5	3.13	2.68	1.77	2.03	6.57	4.24B	10
11	2.14B	1.98B	2.46B	3.80B	2.49	65.9	2.84	2.57	1.82	2.01	6.76	4.62B	11
12	2.14B	1.99B	2.48B	5.30B	2.45	69.6	5.13	2.43	2.10	1.96	6.95	4.90B	12
13	2.14B	2.00B	2.52B	5.26B	2.44	76.9	13.0	2.43	2.02	1.91	6.11	5.18B	13
14	2.22B	2.02B	2.58B	5.07B	2.45	90.5	12.5	2.36	2.00	1.91	7.00	5.32B	14
15	2.25B	2.08B	2.60B	3.80B	2.42	104	15.4	2.32	1.99	1.90	5.35	5.36B	15
16	2.23B	2.15B	2.60B	3.18B	2.42	112	21.5	2.27	2.02	1.88	5.82	5.36B	16
17	2.22B	2.20B	2.58B	2.90B	2.40	35.2	26.1	2.54	1.95	1.96	6.39	5.26B	17
18	2.18B	2.22B	2.40B	2.85	2.41	137	26.1	2.44	1.87	2.00	6.43	4.50B	18
19	2.08B	2.28B	2.10B	2.66	2.55	113	22.7	2.28	1.86	1.93	6.47	4.20B	19
20	2.02B	2.30B	1.94B	2.66	2.46	108	16.7	2.27	1.88	1.89	4.50B	4.08B	20
21	1.98B	2.30B	1.82B	2.71	2.46	106	12.7	2.18	1.86	1.88	3.40B	4.04B	21
22	1.98B	2.28B	1.76B	2.72	2.45	90.9	7.67	2.04	1.90	1.86	2.90B	4.00B	22
23	2.00B	2.26B	1.73B	2.90	2.60	85.8	9.71	1.94	1.92	1.83	2.95B	3.98B	23
24	2.08B	2.24B	1.76B	3.07	2.52	94.6	9.71	2.00	1.94	1.84	3.08B	3.96B	24
25	2.13B	2.23B	1.80B	3.08	2.54	97.0	9.71	1.98	1.92	1.90	3.24B	3.92B	25
26	2.18B	2.22B	1.84B	2.80	3.43	94.4	9.76	2.12	2.09	1.90	3.35B	3.92B	26
27	2.22B	2.22B	1.96B	2.65	37.4	92.3	8.37	2.03	2.35	1.88	3.44B	3.90B	27
28	2.23B	2.21B	2.06B	2.64	66.7	71.7	5.04	1.92	2.47	2.21	3.50B	3.90B	28
29	2.12B		2.20B	2.57	70.1	58.6	4.96	1.88	2.45	3.72	3.54B	3.90B	29
30	2.06B		2.26B	2.60	64.8	65.7	5.08	1.86	2.16	5.05	3.54B	3.88B	30
31	2.02B		2.32B		58.0		5.64	1.81		5.99		3.86B	31
TOTAL	66.24	58.65	68.78	84.80	362.76	2 384.1	732.15	79.33	58.50	69.36	164.32	123.83	TOTAL
MEAN	2.14	2.09	2.22	2.83	11.7	79.5	23.6	2.56	1.95	2.24	5.48	3.99	MEAN
MAX	2.35	2.30	2.60	5.30	70.1	137	77.0	5.68	2.47	5.99	7.33	5.36	MAX
MIN	1.98	1.90	1.73	1.60	2.40	35.2	2.84	1.81	1.76	1.83	2.90	2.65	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.7
MAXIMUM DAILY, 137 ON JUN 18
MINIMUM DAILY, 1.60B ON APR 7
MAXIMUM INSTANTANEOUS,
169 AT 23:00 MST ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 43 N
LONG 113 29 32 W
DRAINAGE AREA, 1 600 km²

B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 720	JUL	63 300
FEB	5 070	AUG	6 850
MAR	5 940	SEP	5 050
APR	7 330	OCT	5 990
MAY	31 300	NOV	14 200
JUN	206 000	DEC	10 700

TOTAL DISCHARGE, 367 000 dam³

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.64B	2.45B	5.33B	2.78B	9.78	44.2	90.1	18.5	6.69	5.47	5.21	3.04	1
2	2.68B	2.40B	5.29B	2.69B	11.1	43.3	87.1	18.6	6.25	5.46	5.11	3.10	2
3	2.69B	2.51B	5.08B	2.66B	13.3	47.1	81.7	17.8	5.97	5.53	4.93	3.73	3
4	2.61B	2.62B	4.91B	2.66B	14.6	54.7	74.4	16.7	5.92	5.48	5.13	3.91	4
5	2.62B	2.75B	4.84B	2.69B	14.9	63.9	65.5	15.8	6.07	5.81	5.12	3.76	5
6	2.59B	2.88B	4.52B	2.65B	15.0	70.8	55.8	14.9	5.82	6.00	5.28	3.62	6
7	2.55B	2.69B	4.27B	2.66B	15.2	72.7	48.8	14.0	5.99	5.83	5.01	3.56	7
8	2.57B	2.55B	4.03B	2.87B	15.3	69.4	44.5	13.5	5.75	5.56	4.92	4.36	8
9	2.64B	2.53B	4.10B	2.76B	15.4	63.5	41.4	13.5	5.63	5.48	4.53	3.69	9
10	2.62B	2.69B	4.26B	2.82B	15.4	62.3	40.5	13.5	5.39	5.33	4.78	3.25	10
11	2.66B	2.75B	4.36B	3.37B	14.9	66.0	40.2	13.5	5.44	5.18	4.59	3.76	11
12	2.60B	2.70B	4.32B	3.61B	14.7	74.3	39.9	12.8	5.23	5.00	4.93	3.80	12
13	2.54B	2.71B	4.09B	3.60B	14.9	87.5	38.5	12.4	5.05	5.05	4.38	3.37	13
14	2.46B	2.93B	3.80B	3.84B	16.3	102	38.9	11.6	4.89	4.88	5.00	3.35	14
15	2.36B	3.50B	3.53B	4.06	19.3	109	41.0	11.1	4.99	4.85	5.12	3.36	15
16	2.28B	3.57B	3.52B	4.34	24.4	112	39.1	10.7	4.93	5.11	4.22	3.84	16
17	2.34B	3.09B	3.41B	4.34	30.6	113	35.4	10.4	5.13	5.09	4.08	3.98	17
18	2.42B	3.32B	3.31B	4.07	39.2	108	31.6	10.0	4.85	4.97	3.88	4.08	18
19	2.49B	3.75B	3.25B	4.01	46.1	104	29.0	9.67	4.81	5.03	3.87	3.69	19
20	2.41B	4.01B	3.23B	4.22	48.5	104	27.3	9.47	4.84	5.19	3.87	2.92	20
21	2.34B	4.36B	3.14B	4.29	49.3	105	27.8	9.16	5.11	5.19	3.93	6.56	21
22	2.19B	4.66B	3.30B	4.23	53.1	107	27.7	8.81	5.04	5.42	3.92	4.56	22
23	2.19B	4.95B	3.05B	4.43	59.4	106	26.5	8.76	4.70	5.20	4.53	3.90	23
24	2.27B	5.32B	2.95B	5.08	68.1	103	25.0	8.69	4.62	5.04	4.21	3.45	24
25	2.40B	5.55B	3.05B	5.92	68.1	96.7	23.6	8.13	4.76	5.16	3.95	4.33	25
26	2.50B	5.57B	2.81B	6.50	77.8	93.1	22.4	7.91	4.54	5.35	3.93	4.04	26
27	2.48B	5.83B	2.84B	7.05	81.7	91.0	21.6	7.99	4.77	5.86	3.53	3.60	27
28	2.48B	5.77B	2.68B	8.20	77.6	91.2	20.7	7.56	5.11	5.92	3.42	3.25	28
29	2.50B		2.82B	9.85	66.7	88.4	20.1	7.30	5.27	5.50	3.27	3.83	29
30	2.53B		2.74B	9.41	55.8	89.1	19.5	7.25	5.29	5.47	3.13	4.15	30
31	2.51B		2.66B		48.0		19.0	7.18		5.62		4.03	31
TOTAL	77.16	100.41	115.49	131.66	1 110.28	2 542.2	1 244.6	357.18	158.85	166.03	131.78	117.87	TOTAL
MEAN	2.49	3.59	3.73	4.39	35.8	84.7	40.1	11.5	5.30	5.36	4.39	3.80	MEAN
MAX	2.69	5.83	5.33	9.85	81.7	113	90.1	18.6	6.69	6.00	5.28	6.56	MAX
MIN	2.19	2.40	2.66	2.65	9.78	43.3	19.0	7.18	4.54	4.85	3.13	2.92	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 113 ON JUN 17
MINIMUM DAILY, 2.19B ON JAN 22
MAXIMUM INSTANTANEOUS,
114 AT 02:50 MST ON JUN 17

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 50 N
LONG 113 50 20 W
DRAINAGE AREA, 614 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 670	JUL	108 000
FEB	8 680	AUG	30 900
MAR	9 980	SEP	13 700
APR	11 400	OCT	14 300
MAY	95 900	NOV	11 400
JUN	220 000	DEC	10 200

TOTAL DISCHARGE, 541 000 dam³

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.079B	0.147	0.076	0.346	0.158	0.054	0.111	---	---	1
2	---	---	0 B	0.045B	0.128	0.075	0.656	0.157	0.046	0.111	---	---	2
3	---	---	0 B	0.048B	0.099	0.072	1.16	0.202	0.035	0.155	---	---	3
4	---	---	0 B	0.059B	0.064	0.076	2.34	0.158	0.038	0.160	---	---	4
5	---	---	0 B	0.070B	0.071	0.217	4.65	0.123	0.096	0.134	---	---	5
6	---	---	0 B	0.083B	0.112	0.262	1.94	0.102	0.079	0.120	---	---	6
7	---	---	0 B	0.113B	0.095	0.193	0.668	0.085	0.054	0.112	---	---	7
8	---	---	0 B	0.116B	0.077	0.137	0.539	0.078	0.046	0.105	---	---	8
9	---	---	0 B	0.119B	0.077	0.127	0.473	0.068	0.054	0.101	---	---	9
10	---	---	0 B	0.129B	0.074	0.108	0.420	0.062	0.069	0.098	---	---	10
11	---	---	0 B	0.131B	0.070	0.172	0.498	0.061	0.072	0.098	---	---	11
12	---	---	0 B	0.145B	0.075	0.168	0.577	0.080	0.065	0.097	---	---	12
13	---	---	0.001B	0.152B	0.112	0.140	0.632	0.061	0.063	0.092	---	---	13
14	---	---	0.003B	0.133B	0.123	0.126	0.654	0.099	0.058	0.094	---	---	14
15	---	---	0.010B	0.089B	0.109	0.163	0.703	0.147	0.065	0.083	---	---	15
16	---	---	0.015B	0.095B	0.153	0.186	0.675	0.091	0.071	0.087	---	---	16
17	---	---	0.025B	0.260B	0.193	0.181	0.682	0.064	0.073	0.088	---	---	17
18	---	---	0.030B	0.425B	0.231	0.192	0.674	0.040	0.070	0.091	---	---	18
19	---	---	0.038B	0.531B	0.260	0.159	0.699	0.031	0.069	0.086	---	---	19
20	---	---	0.048B	0.700B	0.147	0.075	0.746	0.029	0.072	0.083	---	---	20
21	---	---	0.055B	1.60 B	0.118	0.104	1.02	0.031	0.074	0.102	---	---	21
22	---	---	0.065B	3.14	0.095	0.107	0.937	0.055	0.076	0.114	---	---	22
23	---	---	0.060B	3.50	0.096	0.149	0.607	0.050	0.078	0.110	---	---	23
24	---	---	0.059B	2.88	0.082	0.178	0.134	0.041	0.083	0.149	---	---	24
25	---	---	0.058B	1.01	0.074	0.232	0.134	0.055	0.078	0.080	---	---	25
26	---	---	0.062B	0.755	0.075	0.221	0.185	0.084	0.095	0.104	---	---	26
27	---	---	0.070B	0.617	0.103	0.243	0.135	0.088	0.143	0.081	---	---	27
28	---	---	0.079B	0.551	0.112	0.317	0.128	0.081	0.125	0.076A	---	---	28
29	---		0.087B	0.442	0.089	0.324	0.213	0.074	0.117	0.072E	---	---	29
30	---		0.088B	0.256	0.080	0.323	0.205	0.069	0.115	0.070E	---	---	30
31	---		0.087B		0.083		0.159	0.067		0.068E		---	31
TOTAL	---	---	0.940	18.273	3.424	5.103	23.549	2.601	2.233	3.132	---	---	TOTAL
MEAN	---	---	0.030	0.609	0.110	0.170	0.760	0.084	0.074	0.101	---	---	MEAN
MAX	---	---	0.088	3.50	0.260	0.324	4.65	0.202	0.143	0.160	---	---	MAX
MIN	---	---	0	0.045	0.064	0.072	0.123	0.029	0.035	0.068	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.242
MAXIMUM DAILY, 4.65 ON JUL 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.15 AT 09:02 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 13 N
LONG 114 35 59 W
DRAINAGE AREA, 53.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 030
FEB	---	AUG	225
MAR	81.2	SEP	193
APR	1 580	OCT	271
MAY	296	NOV	---
JUN	441	DEC	---

TOTAL DISCHARGE, 5 120 dam³

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.283B	0.075	0.032	0.015	0	0	0	---	---	1
2	---	---	0 B	0.269B	0.066	0.029	0.016	0	0	0	---	---	2
3	---	---	0 B	0.193B	0.049	0.025	0.018	0.001	0	0	---	---	3
4	---	---	0 B	0.146B	0.041	0.015	0.016	0.001	0	0	---	---	4
5	---	---	0 B	0.123B	0.038	0.013	0.015	0	0	0	---	---	5
6	---	---	0 B	0.105B	0.035	0.019	0.016	0	0	0	---	---	6
7	---	---	0 B	0.087B	0.044	0.024	0.017	0	0	0.001	---	---	7
8	---	---	0 B	0.118B	0.049	0.019	0.022	0	0	0.001	---	---	8
9	---	---	0 B	0.198B	0.048	0.015	0.019	0	0	0.001	---	---	9
10	---	---	0 B	0.365B	0.040	0.013	0.013	0	0	0.002	---	---	10
11	---	---	0.010B	0.606B	0.034	0.012	0.011	0	0	0.002	---	---	11
12	---	---	0.100B	0.836	0.030	0.011	0.010	0	0	0.002	---	---	12
13	---	---	0.300B	0.656	0.031	0.012	0.017	0	0	0.003	---	---	13
14	---	---	0.500B	0.496	0.032	0.011	0.013	0	0	0.004	---	---	14
15	---	---	0.578B	0.394	0.029	0.010	0.010	0	0	0.004	---	---	15
16	---	---	0.500B	0.346	0.030	0.012	0.008	0	0	0.004	---	---	16
17	---	---	0.400B	0.295	0.035	0.011	0.007	0	0	0.004	---	---	17
18	---	---	0.300B	0.256	0.033	0.010	0.006	0	0	0.005	---	---	18
19	---	---	0.164B	0.242	0.031	0.010	0.005	0	0	0.005	---	---	19
20	---	---	0.265B	0.216	0.031	0.009	0.005	0	0	0.005	---	---	20
21	---	---	0.259B	0.195	0.029	0.008	0.004	0	0	0.006	---	---	21
22	---	---	0.266B	0.188	0.024	0.007	0.004	0	0	0.006	---	---	22
23	---	---	0.216B	0.170	0.020	0.008	0.003	0	0	0.005	---	---	23
24	---	0B	0.264B	0.148	0.019	0.008	0.003	0	0	0.005	---	---	24
25	---	0B	0.490B	0.125	0.019	0.008	0.002	0	0	0.005	---	---	25
26	---	0B	0.346B	0.115	0.022	0.008	0.002	0	0	0.005	---	---	26
27	---	0B	0.287B	0.104	0.064	0.012	0.002	0	0	0.004	---	---	27
28	---	0B	0.303B	0.095	0.056	0.016	0.001	0	0	0.005A	---	---	28
29	---		0.378B	0.088	0.037	0.024	0.001	0	0	0.004E	---	---	29
30	---		0.235B	0.083	0.034	0.022	0.001	0	0	0.004E	---	---	30
31	---		0.268B		0.035		0	0		0.004E		---	31
TOTAL	---	---	6.429	7.541	1.160	0.433	0.282	0.002	0	0.096	---	---	TOTAL
MEAN	---	---	0.207	0.251	0.037	0.014	0.009	0	0	0.003	---	---	MEAN
MAX	---	---	0.578	0.836	0.075	0.032	0.022	0.001	0	0.006	---	---	MAX
MIN	---	---	0	0.083	0.019	0.007	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.065
MAXIMUM DAILY, 0.836 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.05 AT 18:14 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 50 N
LONG 113 14 00 W
DRAINAGE AREA, 777 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28.4
FEB	---	AUG	0.17
MAR	555	SEP	0
APR	652	OCT	8.29
MAY	100	NOV	---
JUN	37.4	DEC	---

TOTAL DISCHARGE, 1 380 dam³

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.005B	0B	0B	0 B	7.86	3.41	0.223E	2.54	2.61 E	0.756	0.250B	0.085B	1
2	0.004B	0B	0B	0 B	9.98	3.18	0.209E	6.52	2.51 E	0.753	0.250B	0.075B	2
3	0.004B	0B	0B	0 B	14.1	2.96	0.202E	121 A	2.42 E	0.747	0.316B	0.070B	3
4	0.003B	0B	0B	0 B	19.1	2.81	0.195E	164 E	2.36 E	0.740	0.305B	0.059B	4
5	0.002B	0B	0B	0 B	18.1	2.45	0.181A	117 A	2.32 E	0.716	0.294B	0.051B	5
6	0.002B	0B	0B	0 B	14.1	2.21	0.168	58.4	2.21 E	0.718	0.311B	0.046B	6
7	0.002B	0B	0B	0 B	14.0	1.92	0.253	38.3	2.12 E	0.753	0.223B	0.036B	7
8	0.001B	0B	0B	0 B	14.0	1.77	1.08	23.8	2.06 A	0.773	0.194B	0.037B	8
9	0.001B	0B	0B	0 B	13.7	1.59	1.51	16.8 E	2.05	0.789	0.166B	0.035B	9
10	0.001B	0B	0B	0 B	15.0	1.47	1.33	13.8 E	2.06	0.801	0.132B	0.039B	10
11	0 B	0B	0B	0 B	16.0	1.42	1.89	11.8 E	2.08	0.809	0.097B	0.045B	11
12	0 B	0B	0B	0 B	17.7	1.26	2.44	10.2 E	2.08	0.840	0.090B	0.055B	12
13	0 B	0B	0B	0 B	16.9	1.06	2.18	8.56E	2.10	0.852	0.229B	0.065B	13
14	0 B	0B	0B	0 B	14.9	0.914	1.73	7.26E	2.13	0.834	0.217B	0.072B	14
15	0 B	0B	0B	0 B	13.2	0.785	2.58	6.09E	2.11	0.718	0.142B	0.070B	15
16	0 B	0B	0B	0.001B	11.8	0.680	18.6	5.12E	2.03	0.769	0.090B	0.066B	16
17	0 B	0B	0B	0.004B	13.2	0.604	25.7	4.74E	1.97	0.843	0.078B	0.059B	17
18	0 B	0B	0B	0.010B	13.4	0.566	15.2	4.45E	1.90	0.884	0.067B	0.056B	18
19	0 B	0B	0B	0.088B	11.7	0.556A	10.1	4.07E	1.70	0.736B	0.058B	0.054B	19
20	0 B	0B	0B	0.071B	11.0	0.514E	7.04	3.79E	1.51	0.436B	0.053B	0.050B	20
21	0 B	0B	0B	0.071B	10.1	0.462E	5.48	3.50E	1.37	0.462B	0.049B	0.047B	21
22	0 B	0B	0B	0.060B	8.85	0.423E	4.92	3.41E	1.14	0.568	0.045B	0.044B	22
23	0 B	0B	0B	0.064B	7.18	0.390E	11.2	3.20E	1.05	0.550	0.045B	0.042B	23
24	0 B	0B	0B	1.08 B	6.54	0.360E	12.3	3.10E	1.05	0.540	0.048B	0.046B	24
25	0 B	0B	0B	3.16 B	6.24	0.330E	12.6	3.01E	1.02	0.546	0.054B	0.050B	25
26	0 B	0B	0B	3.80 B	5.50	0.310E	11.3	2.91E	0.918	0.687	0.087B	0.050B	26
27	0 B	0B	0B	4.12 B	5.38	0.294E	8.99	2.82E	0.842	0.604	0.080B	0.049B	27
28	0 B	0B	0B	6.20 B	5.20	0.270E	7.56	2.76E	0.785	0.599	0.075B	0.048B	28
29	0 B		0B	5.52 B	4.70	0.254E	5.88	2.72E	0.786	0.370B	0.072B	0.050B	29
30	0 B		0B	6.64 B	4.13	0.238E	4.28	2.67E	0.770	0.360B	0.069B	0.052B	30
31	0 B		0B		3.71		3.19	2.63E		0.349B		0.054B	31
TOTAL	0.025	0	0	30.889	347.27	35.460	180.511	660.97	52.061	20.902	4.186	1.657	TOTAL
MEAN	0.001	0	0	1.03	11.2	1.18	5.82	21.3	1.74	0.674	0.140	0.053	MEAN
MAX	0.005	0	0	6.64	19.1	3.41	25.7	164	2.61	0.884	0.316	0.085	MAX
MIN	0	0	0	0	3.71	0.238	0.168	2.54	0.770	0.349	0.045	0.035	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.65
MAXIMUM DAILY, 164E ON AUG 4
MINIMUM DAILY, 0B ON JAN 11
MAXIMUM INSTANTANEOUS,
167 AT 10:30 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 26 50 N
LONG 116 29 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2.16	JUL	15 600
FEB	0	AUG	57 100
MAR	0	SEP	4 500
APR	2 670	OCT	1 810
MAY	30 000	NOV	362
JUN	3 060	DEC	143

TOTAL DISCHARGE, 115 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE IS DERIVED FROM HIGH WATER MARK

WEST STREETER SPRING NO. 1 NEAR HANTON - STATION NO. 05AB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0.001	0.001	0	0	0	0	1
2	0	0	0	0	0	0	0.002	0.001	0	0	0	0	2
3	0	0	0	0	0	0	0.002	0.001	0	0	0	0	3
4	0	0	0	0	0	0	0.002	0.001	0	0	0	0	4
5	0	0	0	0	0	0	0.002	0.001	0	0	0	0	5
6	0	0	0	0	0	0	0.002	0.001	0	0	0	0	6
7	0	0	0	0	0	0	0.002	0.001	0	0	0	0	7
8	0	0	0	0	0	0	0.002	0.001	0	0	0	0	8
9	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	9
10	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	10
11	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	11
12	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	12
13	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	13
14	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	14
15	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	15
16	0	0	0	0	0	0.001	0.002	0	0	0	0	0	16
17	0	0	0	0	0	0.001	0.002	0	0	0	0	0	17
18	0	0	0	0	0	0.001	0.002	0	0	0	0	0	18
19	0	0	0	0	0	0.001	0.002	0	0	0	0	0	19
20	0	0	0	0	0	0.001	0.002	0	0	0	0	0	20
21	0	0	0	0	0	0.001	0.001	0 A	0	0	0	0	21
22	0	0	0	0	0	0.001	0.001	0 E	0	0	0	0	22
23	0	0	0	0	0	0.001	0.001	0 A	0	0	0	0	23
24	0	0	0	0	0	0.001	0.001	0	0	0	0	0	24
25	0	0	0	0	0	0.001	0.001	0	0	0	0	0	25
26	0	0	0	0	0	0.001	0.001	0	0	0	0	0	26
27	0	0	0	0	0	0.001	0.001	0	0	0	0	0	27
28	0	0	0	0	0	0.001	0.001	0	0	0	0	0	28
29	0		0	0	0	0.001	0.001	0	0	0	0	0	29
30	0		0	0	0	0.001	0.001	0	0	0	0	0	30
31	0		0		0		0.001	0		0		C	31
TOTAL	0	0	0	0	0	0.022	0.050	0.015	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0.001	0.002	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0.001	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002 ON JUL 2
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.002 AT 09:54 MST ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 20 N
LONG 114 04 04 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	4.32
FEB	0	AUG	1.30
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	1.90	DEC	0

TOTAL DISCHARGE, 7.52 dam³

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BN017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.049	4.90	7.66	9.16	5.90	4.35	0.003A	---	1
2	---	---	---	---	0.065	5.49	7.28	9.13	5.67	4.23	---	---	2
3	---	---	---	---	0.066	5.46	7.42	9.21	5.35	4.13	---	---	3
4	---	---	---	---	0.066	5.92	7.48	9.20	5.33	4.03	---	---	4
5	---	---	---	---	0.066	6.88	6.26	9.02	5.25	3.83	---	---	5
6	---	---	---	---	0.067	7.21	5.00	9.00	5.05	3.56	---	---	6
7	---	---	---	---	0.066	6.46	5.01	9.17	5.01	2.75	---	---	7
8	---	---	---	---	0.069	6.63	5.18	9.26	4.69	1.95	---	---	8
9	---	---	---	---	0.727	7.10	5.20	8.89	4.46	1.87	---	---	9
10	---	---	---	---	1.45	7.09	5.19	8.66	4.51	1.78	---	---	10
11	---	---	---	---	1.52	7.01	5.11	8.72	4.54	1.70	---	---	11
12	---	---	---	---	1.65	7.11	5.39	8.63	4.59	1.64	---	---	12
13	---	---	---	---	2.31	7.14	5.54	8.48	4.66	1.55	---	---	13
14	---	---	---	---	3.01	7.70	5.53	8.39	4.68	1.45	---	---	14
15	---	---	---	---	3.58	8.49	5.52	8.38	4.70	0.951	---	---	15
16	---	---	---	---	3.62	8.45	5.57	8.32	4.71	0.022	---	---	16
17	---	---	---	---	3.57	8.27	5.94	7.82	4.71	0.014	---	---	17
18	---	---	---	---	3.48	8.12	6.20	7.62	4.70	0.011	---	---	18
19	---	---	---	---	3.40	8.23	6.27	7.62	4.73	0.010	---	---	19
20	---	---	---	---	3.39	8.42	6.38	7.65	4.68	0.012	---	---	20
21	---	---	---	0.128A	3.69	8.58	6.41	7.65	4.66	0.011	---	---	21
22	---	---	---	0.119	4.11	8.43	6.29	7.63	4.64	0.006	---	---	22
23	---	---	---	0.114	4.08	8.36	6.53	7.71	4.60	0.005	---	---	23
24	---	---	---	0.099	4.05	8.52	6.90	7.68	4.58	0.001	---	---	24
25	---	---	---	0.089	4.07	8.60	7.10	7.69	4.58	0	---	---	25
26	---	---	---	0.082	4.36	8.45	7.17	7.78	4.59	0	---	---	26
27	---	---	---	0.078	4.39	8.40	7.38	7.79	4.60	0	---	---	27
28	---	---	---	0.077	4.32	8.37	7.91	7.80	4.49	0	---	---	28
29	---		---	0.078	4.16	8.37	8.13	7.80	4.39	0	---	---	29
30	---		---	0.080	4.16	8.49	8.35	6.87	4.45	0.003	---	---	30
31	---		---		4.15		8.86	5.94		0.004		---	31
TOTAL	---	---	---	---	77.761	226.65	200.16	254.67	143.50	39.870	---	---	TOTAL
MEAN	---	---	---	---	2.51	7.56	6.46	8.22	4.78	1.29	---	---	MEAN
MAX	---	---	---	---	4.39	8.60	8.86	9.26	5.90	4.35	---	---	MAX
MIN	---	---	---	---	0.049	4.90	5.00	5.94	4.39	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.12
MAXIMUM DAILY, 9.26 ON AUG 8
MINIMUM DAILY, 0 ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 41 W
LONG 113 49 02 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	17 300
FEB	---	AUG	22 000
MAR	---	SEP	12 400
APR	---	OCT	3 440
MAY	6 720	NOV	---
JUN	19 600	DEC	---

TOTAL DISCHARGE, 81 500 dam³

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	0.080E	10.8	14.2	21.4 E	9.10A	4.71 A	0.047A	---	1
2	---	---	---	0 E	0.080E	10.4	16.1	21.5 E	9.77A	4.37 E	0.040E	---	2
3	---	---	---	0 E	0.080E	9.73	15.4	21.5 A	9.71A	4.04 E	0.040E	---	3
4	---	---	---	0 E	0.080E	10.1	12.6	21.5 A	9.78E	3.70 A	0.040E	---	4
5	---	---	---	0 E	0.080E	12.6	5.39	17.8 A	9.85E	1.20	0.040E	---	5
6	---	---	---	0 E	0.085	14.9	3.28	18.3 A	9.92E	0.156	0.020E	---	6
7	---	---	---	0 E	2.36	14.5	12.2	18.1 E	9.99A	0.075	0.020E	---	7
8	---	---	---	0 E	2.88	14.6	11.9	18.0 E	9.99A	0.058	0.020E	---	8
9	---	---	---	0 E	2.14	14.1	9.91	17.8 A	9.99A	0.055	0.020E	---	9
10	---	---	---	0 E	2.95	14.2	9.44	17.8 A	9.99A	0.054A	0.020E	---	10
11	---	---	---	0 E	6.04	14.4	9.57	18.3 A	9.99E	0.051E	0 E	---	11
12	---	---	---	0 E	11.9 A	16.1	9.41	18.3 A	9.99E	0.047A	0 E	---	12
13	---	---	---	0 E	16.1 A	15.9	9.32	17.4 A	9.99A	0.047A	0 E	---	13
14	---	---	---	0 E	13.3 A	16.8	10.4	17.0 E	9.10A	0.043A	0 E	---	14
15	---	---	---	0.040E	6.70	17.9	10.9	16.6 E	8.50A	0.035A	0 E	---	15
16	---	---	---	0.040E	10.7 A	19.5	12.5	16.2 A	8.50A	0.039	0 E	---	16
17	---	---	---	0.040E	7.14	17.7	10.8	16.2 A	8.50A	0.039	0 E	---	17
18	---	---	---	0.040E	5.65	18.1	13.6	14.2 A	8.51E	0.046	0 E	---	18
19	---	---	---	0.040E	5.60	18.7	13.8	13.4 A	8.52E	0.046	0 E	---	19
20	---	---	---	0.040E	6.28	20.6	13.8	13.4 A	8.53A	0.049	0 E	---	20
21	---	---	---	0.040E	9.37	20.5	13.1	13.3 E	7.43A	0.050	0 E	---	21
22	---	---	---	0.080E	8.67	20.7	11.7 A	13.1 E	7.43A	0.052	0 E	---	22
23	---	---	---	0.080E	8.68	23.0	13.0 A	13.0 A	7.43A	0.053	0 E	---	23
24	---	---	---	0.080E	7.57	23.4	14.3 E	13.0 A	7.43A	0.055	0 E	---	24
25	---	---	---	0.080E	7.25	20.7	15.7 E	13.0 A	6.95E	0.055	0 E	---	25
26	---	---	---	0.080E	8.00	17.6	17.0 A	11.7 A	6.48E	0.055	0 E	---	26
27	---	---	---	0.080E	9.18	17.7	15.8 A	11.3 A	6.00A	0.053	0 E	---	27
28	---	---	---	0.080E	1.88	18.1	17.8 A	10.9 E	4.09A	0.051	0 E	---	28
29	---		---	0.080E	6.44	18.4	19.5 A	10.4 E	6.71A	0.053	0 E	---	29
30	---		---	0.080E	9.53	19.1	21.4 A	9.99A	6.47A	0.051	0 E	---	30
31	---		---		9.85		21.4 E	9.71A		0.050		---	31
TOTAL	---	---	---	1.000	186.645	500.83	405.22	484.10	254.64	19.438	0.307	---	TOTAL
MEAN	---	---	---	0.033	6.02	16.7	13.1	15.6	8.49	0.627	0.010	---	MEAN
MAX	---	---	---	0.080	16.1	23.4	21.4	21.5	9.99	4.71	0.047	---	MAX
MIN	---	---	---	0	0.080	9.73	3.28	9.71	4.09	0.035	0	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.65
MAXIMUM DAILY, 23.4 ON JUN 24
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 00 N
LONG 113 50 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	35 000
FEB	---	AUG	41 800
MAR	---	SEP	22 000
APR	86.4	OCT	1 680
MAY	16 100	NOV	26.5
JUN	43 300	DEC	---

TOTAL DISCHARGE, 160 000 dam³

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.40	15.0E	71.2	63.9	29.0	12.1	6.12	---	1
2	---	---	---	---	1.72	18.0E	68.7	71.0	32.8	12.8	5.09B	---	2
3	---	---	---	---	1.81	21.8E	67.9	68.7	39.4	14.2	5.52B	---	3
4	---	---	---	---	1.52	19.8E	85.1	57.0	44.8	12.3	5.87	---	4
5	---	---	---	---	1.54	17.9E	69.8	44.8	46.9	11.3	5.47	---	5
6	---	---	---	---	1.87	15.4A	63.8	43.0	39.4	10.5	5.29	---	6
7	---	---	---	---	2.32	26.4	60.3	41.2	39.3	10.3	4.95B	---	7
8	---	---	---	---	2.33	22.9	52.5	41.9	51.1	9.59	4.20B	---	8
9	---	---	---	---	2.35	22.1	48.0	46.5	66.4	9.12	---	---	9
10	---	---	---	---	2.46	29.2	46.1	48.3	66.3	8.84	---	---	10
11	---	---	---	---	3.01	38.8	46.9	47.7	45.6	9.09	---	---	11
12	---	---	---	---	3.54	52.1	48.4	40.3	35.7	9.30	---	---	12
13	---	---	---	---	3.32	62.5	48.8	33.3	29.1	9.22	---	---	13
14	---	---	---	---	3.60E	72.4	54.6	30.7	24.8	11.2	---	---	14
15	---	---	---	---	3.90E	81.3	51.6	28.2	22.3	13.1	---	---	15
16	---	---	---	---	4.20E	81.1	41.8	26.7	20.6	14.8	---	---	16
17	---	---	---	---	4.50E	73.7	43.1	27.9	19.8	14.0	---	---	17
18	---	---	---	---	4.90E	71.7	53.4	27.6	20.7	11.2	---	---	18
19	---	---	---	---	5.40E	76.0	69.3	25.4	21.5	10.0	---	---	19
20	---	---	---	---	6.00E	83.3	77.2	27.0	20.2	8.96	---	---	20
21	---	---	---	---	6.70E	91.8	63.1	28.6	19.7	8.69	---	---	21
22	---	---	---	---	7.20E	98.5	55.7	29.9	20.6	8.49	---	---	22
23	---	---	---	---	8.40E	87.1	44.1	26.4	20.7	10.0	---	---	23
24	---	---	---	---	9.70E	75.9	38.9	24.9	20.0	8.73	---	---	24
25	---	---	---	---	8.90E	70.4	38.0	26.9	18.7	8.15	---	---	25
26	---	---	---	---	8.40E	68.2	38.8	30.7	18.7	7.75	---	---	26
27	---	---	---	---	7.80E	70.3	41.7	30.4	18.2	7.51	---	---	27
28	---	---	---	---	7.00E	74.2	44.5	36.6	16.4	7.17	---	---	28
29	---		---	---	9.00E	68.9	47.0	30.3	14.3	6.32B	---	---	29
30	---		---	1.35	11.2 E	69.9	51.5	31.9	12.7	6.38B	---	---	30
31	---		---		13.0 E		57.2	30.6		6.41		---	31
TOTAL	---	---	---	---	158.99	1 676.6	1 689.0	1 166.3	895.7	307.52	---	---	TOTAL
MEAN	---	---	---	---	5.13	55.9	54.5	37.6	29.9	9.92	---	---	MEAN
MAX	---	---	---	---	13.0	98.5	85.1	71.0	66.4	14.8	---	---	MAX
MIN	---	---	---	---	1.40	15.0	38.0	24.9	12.7	6.32	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.0
MAXIMUM DAILY, 98.5 ON JUN 22
MINIMUM DAILY, 1.40 ON MAY 1
MAXIMUM INSTANTANEOUS,
101 AT 09:50 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 29 N
LONG 117 55 29 W
DRAINAGE AREA, 598 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	146 000
FEB	---	AUG	101 000
MAR	---	SEP	77 400
APR	---	OCT	36 600
MAY	13 760	NOV	---
JUN	145 000	DEC	---

TOTAL DISCHARGE, 510 000 dam³

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.157	0	0	0.018	0	0	---	---	1
2	---	---	0	0	0.119	0	0.006	0.017	0	0	---	---	2
3	---	---	0	0	0.084	0	0.022	0.015	0	0.001	---	---	3
4	---	---	0	0	0.058	0	1.13	0.012	0	0.002	---	---	4
5	---	---	0	0	0.048	0	3.95	0.010	0.002	0.001	---	---	5
6	---	---	0	0	0.044	0	3.30	0.007	0.003	0	---	---	6
7	---	---	0	0	0.042	0	1.56	0.004	0.001	0	---	---	7
8	---	---	0	0	0.036	0	0.711	0.002	0	0	---	---	8
9	---	---	0	0	0.025	0	0.536	0.001	0	0	---	---	9
10	---	---	0	0	0.020E	0	0.417	0	0	0	---	---	10
11	---	---	0	0	0.017E	0	0.285	0	0	0	---	---	11
12	---	---	0	0	0.013E	0	0.171	0	0	0	---	---	12
13	---	---	0	0	0.010E	0	0.116	0	0	0	---	---	13
14	---	---	0	0	0.008E	0	0.080	0	0	0	---	---	14
15	---	---	0	0	0.005E	0	0.064	0	0	0	---	---	15
16	---	---	0	0	0.003E	0	0.056	0	0	0	---	---	16
17	---	---	0	0	0.002E	0	0.046	0	0	0	---	---	17
18	---	---	0	0	0.002E	0	0.044	0	0	0	---	---	18
19	---	---	0	1.04 E	0.004E	0	0.041	0	0	0	---	---	19
20	---	---	0	2.08 E	0.022E	0	0.035	0	0	0	---	---	20
21	---	---	0	3.12 A	0.050E	0	0.027	0	0	0	---	---	21
22	---	---	0	5.42	0.050E	0	0.040	0	0	0	---	---	22
23	---	---	0	5.52	0.038E	0	0.044	0	0	0	---	---	23
24	---	---	0	4.23	0.023E	0	0.044	0	0	0	---	---	24
25	---	---	0	2.43	0.018E	0	0.041	0	0	0	---	---	25
26	---	---	0	1.24	0.008E	0	0.025	0	0	0	---	---	26
27	---	---	0	0.656	0.003A	0	0.023	0	0	0	---	---	27
28	---	---	0	0.474	0.002	0	0.022	0	0	0	---	---	28
29	---		0	0.350	0.002	0	0.021	0	0	0	---	---	29
30	---		0	0.219	0.001	0	0.020	0	0	0	---	---	30
31	---		0		0		0.019	0		0		---	31
TOTAL	---	---	0	26.779	0.914	0	12.896	0.086	0.006	0.004	---	---	TOTAL
MEAN	---	---	0	0.893	0.029	0	0.416	0.003	0	0	---	---	MEAN
MAX	---	---	0	5.52	0.157	0	3.95	0.018	0.003	0.002	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.166
MAXIMUM DAILY, 5.52 ON APR 23
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.21 AT 01:10 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 20 N
LONG 113 41 23 W
DRAINAGE AREA, 63.7 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1 110	
FEB	---	AUG	7.83
MAR	0	SEP	0.52
APR 2 310		OCT	0.35
MAY	79.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3 510 dam³

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.22	0.137	0 E	0.086	0	0.001	---	---	1
2	---	---	0B	0 B	1.73	0.132	0.011	0.052	0	0.007	---	---	2
3	---	---	0B	0 B	1.32	0.127	0.202	0.036	0	0.030	---	---	3
4	---	---	0B	0 B	1.01	0.130	4.72	0.033	0	0.026	---	---	4
5	---	---	0B	0 B	0.769	0.145	12.4	0.146	0.020	0.141	---	---	5
6	---	---	0B	0 B	0.573	0.167	17.4	0.108	0.071	0.098	---	---	6
7	---	---	0B	0 B	0.387	0.182	12.2	0.050	0.159	0.064	---	---	7
8	---	---	0B	0 B	0.267	0.209	6.60	0.031	0.086	0.035	---	---	8
9	---	---	0B	0 B	0.241	0.192	4.54	0.026	0.026	0.026	---	---	9
10	---	---	0B	0 B	0.221	0.168	3.37	0.013	0.012	0.025	---	---	10
11	---	---	0B	0 B	0.203	0.132	2.60	0.007	0.002	0.018	---	---	11
12	---	---	0B	0 B	0.177	0.097	1.87	0.003	0.044	0.011	---	---	12
13	---	---	0B	0 B	0.164	0.072	1.38	0.002	0.045	0.009	---	---	13
14	---	---	0B	0.500B	0.147	0.051	1.08	0.003	0.026	0.008	---	---	14
15	---	---	0B	1.94 B	0.118	0.038	0.857	0.005	0.024	0.008	---	---	15
16	---	---	0B	3.82 B	0.094	0.031	0.688	0.001	0.019	0.005	---	---	16
17	---	---	0B	3.56 B	0.084	0.026	0.564	0	0.018	0.010	---	---	17
18	---	---	0B	3.11 B	0.087	0.022	0.437	0	0.013	0.015	---	---	18
19	---	---	0B	3.75 B	0.105	0.019	0.319	0	0.010	0.043	---	---	19
20	---	---	0B	7.00 B	0.144	0.018	0.261	0	0.008	0.097	---	---	20
21	---	---	0B	14.3 B	0.223	0.017	0.233	0	0.007	0.135	---	---	21
22	---	---	0B	34.1 B	0.227	0.015A	0.381	0	0.005	0.111	---	---	22
23	---	---	0B	44.2	0.205	0.013E	0.786	0	0.003	0.094	---	---	23
24	---	---	0B	37.4	0.182	0.011E	0.698	0	0.002	0.073	---	---	24
25	---	---	0B	23.2	0.162	0.009E	0.527	0	0.002	0.056	---	---	25
26	---	---	0B	13.6	0.142	0.007E	0.522	0	0.001	0.034A	---	---	26
27	---	---	0B	8.56	0.123	0.005E	0.333	0	0.002	0.032E	---	---	27
28	---	---	0B	5.71	0.125	0.003E	0.268	0	0.002	0.030E	---	---	28
29	---		0B	4.07	0.136	0.001E	0.194	0	0.002	0.029E	---	---	29
30	---		0B	2.98	0.161	0 E	0.209	0	0.002	0.027E	---	---	30
31	---		0B		0.183		0.132	0.002		0.025E		---	31
TOTAL	---	---	0	211.800	11.870	3.176	75.782	0.604	0.611	1.323	---	---	TOTAL
MEAN	---	---	0	7.06	0.383	0.073	2.46	0.019	0.020	0.043	---	---	MEAN
MAX	---	---	0	44.2	2.22	0.209	17.4	0.146	0.159	0.141	---	---	MAX
MIN	---	---	0	0	0.084	0	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.24
MAXIMUM DAILY, 44.2 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
48.6 AT 11:10 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 44 N
LONG 113 35 30 W
DRAINAGE AREA, 332 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 6 550	
FEB	---	AUG	52.2
MAR	0	SEP	52.8
APR 18 300		OCT	110
MAY	1 030	NOV	---
JUN	188	DEC	---

TOTAL DISCHARGE, 26 300 dam³

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.086B	0.051B	0.015B	0.024B	16.3	2.81	0.110	0.050	0.624	0.082	0.263B	0.107B	1
2	0.085B	0.049B	0.015B	0.022B	19.0	2.41	0.132	0.205	0.594	0.084	0.267B	0.105B	2
3	0.084B	0.048B	0.015B	0.020B	21.7	2.08	0.149	0.482	0.562	0.092	0.265B	0.103B	3
4	0.083B	0.046B	0.016B	0.018B	28.4	2.00	0.182	1.08	0.477	0.105	0.242B	0.102B	4
5	0.082B	0.045B	0.016B	0.016B	35.5	1.79	0.196	2.28	0.443	0.102	0.221B	0.099B	5
6	0.081B	0.043B	0.018B	0.016B	34.2	1.57	0.216	7.19	0.408	0.116	0.210B	0.098B	6
7	0.080B	0.042B	0.020B	0.017B	28.5	1.44	0.205	8.30	0.380	0.153	0.208B	0.100B	7
8	0.079B	0.040B	0.025B	0.018B	23.5	1.28	0.183	7.37	0.328	0.150	0.197B	0.103B	8
9	0.078B	0.038B	0.028B	0.020B	20.3	1.17	0.190	6.25	0.310	0.292	0.188B	0.106B	9
10	0.077B	0.037B	0.030B	0.020B	17.5	1.05	0.175	5.25	0.280	0.237	0.179B	0.103B	10
11	0.076B	0.035B	0.030B	0.020B	15.7	0.954	0.161	4.30	0.300	0.225	0.171B	0.106B	11
12	0.075B	0.034B	0.030B	0.019B	14.9	0.868	0.121	3.56	0.264	0.213	0.167B	0.107B	12
13	0.074B	0.033B	0.031B	0.019B	14.2	0.799	0.113	2.96	0.262	0.223	0.165B	0.102B	13
14	0.073B	0.031B	0.032B	0.023B	14.4	0.747	0.099	2.63	0.253	0.220	0.167B	0.100B	14
15	0.072B	0.030B	0.032B	0.029B	14.2	0.667	0.086	2.01	0.232	0.256	0.147B	0.102B	15
16	0.071B	0.028B	0.031B	0.039B	14.6	0.619	0.062	1.73	0.211	0.316	0.135B	0.103B	16
17	0.070B	0.027B	0.030B	0.044B	15.1	0.603	0.049	1.53	0.201	0.663	0.136B	0.100B	17
18	0.069B	0.026B	0.031B	0.030B	15.7	0.562	0.045	1.36	0.174	0.567	0.132B	0.088B	18
19	0.068B	0.024B	0.034B	0.062B	15.0	0.489	0.053	1.24	0.151	0.365	0.124B	0.078B	19
20	0.067B	0.023B	0.036B	0.067B	14.0	0.413	0.056	1.13	0.141	0.335	0.115B	0.068B	20
21	0.066B	0.021B	0.035B	0.102B	13.2	0.358	0.054	1.04	0.115	0.355	0.107B	0.070B	21
22	0.065B	0.020B	0.034B	0.216B	11.3	0.311	0.087	0.965	0.092	0.348	0.110B	0.070B	22
23	0.064B	0.018B	0.034B	0.617B	9.70	0.259	0.104	0.864	0.074	0.340	0.113B	0.064B	23
24	0.063B	0.017B	0.036B	6.29 B	8.53	0.235	0.111	0.820	0.075	0.331	0.115B	0.065B	24
25	0.062B	0.016B	0.037B	11.9 B	7.55	0.234	0.106	0.729	0.134	0.344	0.116B	0.065B	25
26	0.060B	0.015B	0.037B	8.10 B	6.74	0.210	0.072	0.707	0.086	0.353	0.117B	0.065B	26
27	0.059B	0.015B	0.036B	8.24 B	5.97	0.219	0.055	0.692	0.063	0.331	0.119B	0.065B	27
28	0.057B	0.015B	0.034B	10.7	5.22	0.188	0.062	0.693	0.065	0.304B	0.124B	0.064B	28
29	0.056B		0.032B	12.6	4.52	0.171	0.061	0.675	0.088	0.273B	0.118B	0.064B	29
30	0.054B		0.030B	15.1	3.88	0.105	0.046	0.655	0.087	0.291B	0.112B	0.062B	30
31	0.052B		0.026B		3.27		0.032	0.633		0.281B		0.060B	31
TOTAL	2.188	0.867	0.886	74.408	472.58	26.611	3.353	69.180	7.454	8.445	4.850	2.694	TOTAL
MEAN	0.071	0.031	0.029	2.48	15.2	0.887	0.108	2.23	0.248	0.272	0.162	0.087	MEAN
MAX	0.086	0.051	0.037	15.1	35.5	2.81	0.216	8.30	0.624	0.663	0.267	0.107	MAX
MIN	0.052	0.015	0.015	0.016	3.27	0.105	0.032	0.050	0.063	0.082	0.107	0.060	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 35.5 ON MAY 5
MINIMUM DAILY, 0.015B ON FEB 26
MAXIMUM INSTANTANEOUS,
36.0 AT 12:30 MST ON MAY 5

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 30 40 N
LONG 117 39 32 W
DRAINAGE AREA, 2 020 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	189	JUL	290
FEB	74.9	AUG	5 980
MAR	76.6	SEP	644
APR	6 430	OCT	730
MAY	40 800	NOV	419
JUN	2 300	DEC	233

TOTAL DISCHARGE, 58 200 dam³

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.15B	13.1	43.8	16.6	11.0	13.5	7.80	---	1
2	---	---	---	---	2.30B	21.8	43.5	20.1	10.5	14.6	6.90B	---	2
3	---	---	---	---	2.45B	28.4	43.9	20.7	9.92	15.4	---	---	3
4	---	---	---	---	2.60E	26.1	62.0	19.9	11.8	14.9	---	---	4
5	---	---	---	---	2.94A	25.8	73.0	18.9	14.0	14.2	---	---	5
6	---	---	---	---	2.93	19.1	68.8	17.8	12.9	13.6	---	---	6
7	---	---	---	---	3.14	12.0	62.1	16.7	12.3	13.3	---	---	7
8	---	---	---	---	3.17	10.0	53.2	15.8	12.1	12.6	---	---	8
9	---	---	---	---	3.09	8.92	44.5	15.4	12.3	11.9	---	---	9
10	---	---	---	---	3.48	13.8	38.2	15.6	12.5	11.9	---	---	10
11	---	---	---	---	3.94	22.1	33.7	14.9	12.0	11.8	---	---	11
12	---	---	---	---	3.92	25.7	30.0	14.4	11.8	11.5	---	---	12
13	---	---	---	---	3.92	27.6	27.1	13.5	11.5	11.3	---	---	13
14	---	---	---	---	4.28	30.1	28.2	15.3	11.0	11.3	---	---	14
15	---	---	---	---	4.93	30.6	39.0	15.7	10.7	11.5	---	---	15
16	---	---	---	---	5.73	29.3	40.4	16.0	10.3	11.7	---	---	16
17	---	---	---	---	8.17	26.8	38.7	15.0	9.95	11.7	---	---	17
18	---	---	---	---	10.3	25.5	35.2	14.2	9.63	11.4	---	---	18
19	---	---	---	---	9.77	25.7	32.8	13.4	9.37	10.9	---	---	19
20	---	---	---	---	9.77	26.4	30.1	12.8	9.09	10.5	---	---	20
21	---	---	---	---	9.65	26.2	29.0	12.7	8.89	10.3	---	---	21
22	---	---	---	---	12.0	29.1	26.0	14.2	8.76	10.2	---	---	22
23	---	---	---	---	11.5	31.4	23.8	13.1	8.53	10.8	---	---	23
24	---	---	---	---	10.3	27.4	22.1	12.4	8.29	10.5	---	---	24
25	---	---	---	---	14.6	24.6	20.8	12.6	8.24	10.2	---	---	25
26	---	---	---	---	15.6	16.3	19.9	13.3	13.7	9.93	---	---	26
27	---	---	---	---	13.4	22.6	18.8	12.9	14.5	9.66	---	---	27
28	---	---	---	1.80B	11.5	59.3	18.2	12.7	15.1	9.38	---	---	28
29	---		---	1.95B	10.2	53.4	17.0	12.0	15.0	8.55	---	---	29
30	---		---	2.05B	10.2	47.6	15.9	11.9	14.2	8.05	---	---	30
31	---		---		12.5		14.9	11.6		8.06		---	31
TOTAL	---	---	---	---	224.43	782.72	1 094.6	462.1	339.87	355.13	---	---	TOTAL
MEAN	---	---	---	---	7.24	26.1	35.3	14.9	11.3	11.5	---	---	MEAN
MAX	---	---	---	---	15.6	59.3	73.0	20.7	15.1	15.4	---	---	MAX
MIN	---	---	---	---	2.15	8.92	14.9	11.6	8.24	8.05	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.7
MAXIMUM DAILY, 73.0 ON JUL 5
MINIMUM DAILY, 2.15B ON MAY 1
MAXIMUM INSTANTANEOUS,
75.0 AT 05:55 MST ON JUL 5

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 24 N
LONG 117 56 49 W
DRAINAGE AREA, 958 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	94 600
FEB	---	AUG	39 900
MAR	---	SEP	29 400
APR	---	OCT	30 700
MAY	19 400	NOV	---
JUN	67 600	DEC	---

TOTAL DISCHARGE, 282 000 dam³

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.002B	0 B	0 B	0.048B	0.864	2.38	1.61	0.178	0.084	0.236	0.130B	0.105B	1
2	0.001B	0 B	0 B	0.060B	0.914	2.32	1.38	0.168	0.072	0.230	0.100B	0.093B	2
3	0.001B	0 B	0 B	0.062B	0.879	2.47	1.21	0.155	0.064	0.219	0.107B	0.094B	3
4	0 B	0 B	0 B	0.068B	0.616	2.53	1.11	0.142	0.079	0.220	0.120B	0.094B	4
5	0 B	0 B	0 B	0.077B	0.586	3.22	1.10	0.098	0.113	0.223	0.129B	0.087B	5
6	0 B	0 B	0 B	0.089B	0.567	4.51	1.02	0.093	0.104	0.226	0.132B	0.080B	6
7	0 B	0 B	0 B	0.100B	0.529	4.87	0.943	0.109	0.093	0.222	0.126B	0.080B	7
8	0 B	0 B	0 B	0.115B	0.487	4.58	0.858	0.112	0.080	0.218	0.136B	0.085B	8
9	0 B	0 B	0 B	0.137B	0.437	5.10	0.788	0.116	0.067	0.199	0.138B	0.097B	9
10	0 B	0 B	0 B	0.160B	0.411	5.18	0.736	0.129	0.057	0.190	0.140B	0.105B	10
11	0 B	0 B	0 B	0.210B	0.586	4.75	0.656	0.104	0.062	0.184	0.153B	0.112B	11
12	0 B	0 B	0 B	0.380B	0.719	3.97	0.569	0.091	0.079	0.179	0.170B	0.111B	12
13	0 B	0 B	0 B	0.500B	0.674	3.36	0.593	0.081	0.118	0.176	0.188B	0.090B	13
14	0 B	0 B	0 B	0.703B	0.739	3.02	0.707	0.080	0.123	0.171	0.198B	0.070B	14
15	0 B	0 B	0 B	0.677B	0.775	2.70	0.599	0.074	0.122	0.168	0.199B	0.069B	15
16	0 B	0 B	0 B	0.640B	0.846	2.50	0.494	0.069	0.130	0.172	0.190B	0.070B	16
17	0 B	0 B	0 B	0.605B	0.848	2.20	0.463	0.060	0.121	0.178	0.179B	0.081B	17
18	0 B	0 B	0 B	0.580B	0.900	1.87	0.400	0.047	0.106	0.185	0.180B	0.081B	18
19	0 B	0 B	0 B	0.565B	1.02	1.65	0.363	0.036	0.099	0.183	0.178B	0.077B	19
20	0 B	0.010B	0 B	0.548B	0.952	1.54	0.361	0.029	0.094	0.196	0.169B	0.063B	20
21	0 B	0.030B	0 B	1.15	0.934	1.39	0.339	0.033	0.090	0.192	0.163B	0.060B	21
22	0 B	0 B	0 B	1.46	0.883	1.32	0.316	0.033	0.093	0.194	0.155B	0.062B	22
23	0 B	0 B	0.010B	1.56	0.915	1.37	0.288	0.064	0.088	0.192	0.160B	0.072B	23
24	0 B	0 B	0.020B	1.26	0.875	1.27	0.288	0.080	0.079	0.187	0.142B	0.080B	24
25	0 B	0 B	0.030B	0.854	0.873	1.24	0.260	0.077	0.077	0.184	0.137B	0.080B	25
26	0 B	0 B	0.030B	0.828	0.916	1.14	0.266	0.103	0.152	0.167	0.140B	0.070B	26
27	0 B	0 B	0.040B	0.882	0.994	1.23	0.244	0.136	0.223	0.142	0.149B	0.062B	27
28	0 B	0 B	0.040B	0.991	0.973	1.42	0.208	0.110	0.227	0.141	0.143B	0.058B	28
29	0 B		0.040B	0.919	1.09	1.74	0.192	0.105	0.246	0.142	0.132B	0.059B	29
30	0 B		0.045B	0.795	1.57	2.48	0.198	0.103	0.226	0.149B	0.122B	0.063B	30
31	0 B		0.050B		2.18		0.190	0.095		0.151B		0.066B	31
TOTAL	0.004	0.040	0.305	16.864	26.492	79.32	18.749	2.910	3.368	5.816	4.505	2.476	TOTAL
MEAN	0	0.001	0.010	0.562	0.855	2.64	0.605	0.094	0.112	0.188	0.150	0.080	MEAN
MAX	0.002	0.030	0.050	1.56	2.18	5.18	1.61	0.178	0.246	0.236	0.199	0.112	MAX
MIN	0	0	0	0.048	0.411	1.14	0.190	0.029	0.057	0.141	0.100	0.058	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.841
MAXIMUM DAILY, 5.18 ON JUN 10
MINIMUM DAILY, 0B ON JAN 4
MAXIMUM INSTANTANEOUS,
5.59 AT 21:00 MST ON JUN 7

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 47 N
LONG 114 12 46 W
DRAINAGE AREA, 163 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0.35	JUL	1 620
FEB	3.46	AUG	251
MAR	26.4	SEP	291
APR	1 460	OCT	503
MAY	2 290	NOV	389
JUN	6 850	DEC	214

TOTAL DISCHARGE, 13 900 dam³

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.371B	1.53B	1.58 E	1.97	5.41	0.700	0.411	0.829	0.540B	---	1
2	---	---	0.320B	1.52B	1.59 E	1.88	4.40	0.662	0.381	0.750	0.552B	---	2
3	---	---	0.300B	1.49B	1.61 A	1.83	3.70	0.617	0.362	0.700	---	---	3
4	---	---	0.315B	1.43B	1.23	1.79	3.18	0.591	0.423	0.677	---	---	4
5	---	---	0.340B	1.41B	0.885	3.53	2.94	0.571	0.533	0.686	---	---	5
6	---	---	0.380B	1.37B	0.801	7.35	2.86	0.554	0.523	0.655	---	---	6
7	---	---	0.400B	1.36B	0.769	7.12	2.65	0.521	0.460	0.621	---	---	7
8	---	---	0.420B	1.37B	0.788	6.21	2.40	0.485	0.440	0.587	---	---	8
9	---	---	0.480B	1.47B	0.756	4.78	2.24	0.514	0.413	0.561	---	---	9
10	---	---	0.520B	2.10B	0.687	4.43	2.05	0.565	0.394	0.548	---	---	10
11	---	---	0.580B	4.40B	0.665	5.41	1.84	0.580	0.401	0.549	---	---	11
12	---	---	0.595B	5.40B	0.876	6.24	1.70	0.488	0.425	0.544	---	---	12
13	---	---	0.600B	5.70B	0.901	5.96	1.64	0.458	0.493	0.538	---	---	13
14	---	---	0.600B	5.88B	0.849	5.77	2.88	0.451	0.534	0.532	---	---	14
15	---	---	0.547B	5.82B	0.885	5.35	1.78	0.445	0.554	0.519	---	---	15
16	---	---	0.595B	5.50B	0.975	5.24	1.62	0.441	0.550	0.505	---	---	16
17	---	---	0.610B	3.35B	1.01	4.81	1.52	0.420	0.532	0.508	---	---	17
18	---	---	0.700B	2.20B	1.01	4.18	1.40	0.391	0.503	0.523	---	---	18
19	---	---	0.780B	1.78B	1.15	3.68	1.27	0.382	0.467	0.534B	---	---	19
20	---	---	0.880B	1.36B	1.11	3.41	1.20	0.372	0.446	0.545B	---	---	20
21	---	---	0.900B	4.00B	1.01	3.20	1.12	0.377	0.435	0.556B	---	---	21
22	---	---	0.990B	4.37B	0.975	3.11	1.01	0.380	0.446	0.567	---	---	22
23	---	---	1.01 B	3.90B	1.02	3.52	0.952	0.425	0.469	0.542	---	---	23
24	---	---	1.01 B	3.30B	0.994	3.19	0.879	0.431	0.439	0.517	---	---	24
25	---	---	1.00 B	2.70B	0.905	3.15	0.849	0.426	0.426	0.514	---	---	25
26	---	---	1.10 B	2.15B	1.08	2.85	0.880	0.517	0.622	0.512	---	---	26
27	---	---	1.23 B	1.69B	1.78	3.28	0.849	0.619	1.07	0.510	---	---	27
28	---	---	1.30 B	1.60B	2.07	4.10	0.799	0.544	1.00	0.491	---	---	28
29	---		1.42 B	1.58	1.98	4.24	0.743	0.471	1.00	0.503B	---	---	29
30	---		1.48 B	1.56B	2.19	7.27	0.714	0.447	0.934	0.515B	---	---	30
31	---		1.50 B		2.15		0.699	0.436		0.528B		---	31
TOTAL	---	---	23.153	83.21	36.281	128.85	58.174	15.261	16.886	17.666	---	---	TOTAL
MEAN	---	---	0.747	2.77	1.17	4.30	1.88	0.492	0.536	0.570	---	---	MEAN
MAX	---	---	1.50	5.88	2.19	7.35	5.41	0.700	1.07	0.829	---	---	MAX
MIN	---	---	0.300	1.36	0.665	1.79	0.699	0.372	0.362	0.491	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.55
MAXIMUM DAILY, 7.35 ON JUN 6
MINIMUM DAILY, 0.3000 ON MAR 3
MAXIMUM INSTANTANEOUS,
8.23 AT 09:10 MST ON JUN 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 113 56 21 W
DRAINAGE AREA, 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 030
FEB	---	AUG	1 320
MAR	2 000	SEP	1 350
APR	7 190	OCT	1 530
MAY	3 130	NOV	---
JUN	11 100	DEC	---

TOTAL DISCHARGE, 32 700 dam³

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.056B	0 B	0.390B	1.30 B	2.08	2.63	7.15	0.456	0.310	1.03	0.945	0.742B	1
2	0.055B	0 B	0.380B	1.15 B	2.12	2.51	5.44	0.521	0.260	0.846	0.856	0.675B	2
3	0.054B	0 B	0.365B	1.00 B	2.24	2.32	4.65	0.435	0.195	0.685	0.685	0.612B	3
4	0.052B	0 B	0.370B	0.950B	2.01	2.42	4.03 E	0.423	0.271	0.603	1.26	0.553B	4
5	0.050B	0 B	0.390B	0.880B	2.05	2.64	3.42	0.393	0.288	0.561	1.06	0.423B	5
6	0.048B	0 B	0.420B	0.840B	1.39	7.07	3.18	0.369	0.369	0.704	0.997	0.310B	6
7	0.046B	0 B	0.440B	0.785B	1.18	7.92	3.05	0.387	0.345	0.553	0.818	0.290B	7
8	0.044B	0 B	0.470B	0.760B	1.18	7.62	2.68	0.369	0.288	0.477	0.761	0.290B	8
9	0.042B	0 B	0.500B	0.742B	1.25	5.46	2.49	0.310	0.245	0.417	0.630B	0.300B	9
10	0.040B	0 B	0.510B	0.648B	1.04	4.74	2.27	0.387	0.220	0.375	0.618B	0.312B	10
11	0.038B	0 B	0.525B	1.11 B	0.925	5.05	2.08	0.423	0.185	0.315	0.610B	0.321B	11
12	0.035B	0 B	0.525B	4.43 B	0.865	5.69	1.87	0.411	0.160	0.849	0.612B	0.393B	12
13	0.032B	0 B	0.520B	5.84 B	1.14	6.55	1.82	0.293	0.215	0.429	0.628B	0.463B	13
14	0.029B	0 B	0.510B	6.73 B	1.17	6.28	1.85	0.296E	0.271	0.442	0.650B	0.540B	14
15	0.026B	0 B	0.511B	6.94 B	1.12	5.94	2.46	0.299	0.321	0.435	0.713B	0.590B	15
16	0.024B	0.172B	0.520B	4.14 B	1.06	5.71	1.85	0.240	0.405	0.435	0.732B	0.620B	16
17	0.021B	0.343B	0.538B	3.27 B	1.26	5.37	1.77	0.200	0.399	0.387	0.723B	0.629B	17
18	0.018B	0.360B	0.550B	2.45 B	1.18	4.84	1.65	0.170	0.369	0.405	0.691B	0.625B	18
19	0.013B	0.380B	0.560B	2.91 B	1.39	4.46	1.38	0.151	0.381	0.405	0.656B	0.612B	19
20	0.009B	0.385B	0.570B	4.77 B	1.50	3.85	1.32	0.142	0.205	0.505	0.429B	0.609B	20
21	0.004B	0.385B	0.580B	4.90 B	1.45	3.53	1.23	0.160	0.210	0.484	0.430B	0.590B	21
22	0 B	0.380B	0.572B	5.10 B	1.31	3.47	1.01	0.190	0.255	0.491	0.455B	0.582B	22
23	0 B	0.370B	0.565B	5.12 B	0.935	3.69	0.865	0.230	0.255	0.449	0.490B	0.575B	23
24	0 B	0.365B	0.560B	5.23	0.955	3.66	0.818	0.225	0.230	0.463	0.540B	0.570B	24
25	0 B	0.370B	0.565B	3.14	1.27	3.42	0.770	0.240	0.195	0.411	0.572B	0.568B	25
26	0 B	0.375B	0.580B	2.43	1.19	3.23	0.818	0.339	0.282	0.423	0.622B	0.565B	26
27	0 B	0.390B	0.680B	2.60	1.79	3.24	0.732	0.491	0.537	0.417	0.690B	0.565B	27
28	0 B	0.390B	0.840B	2.60	2.65	4.04	0.666	0.545	1.33	0.411	0.735B	0.572B	28
29	0 B		0.956B	2.78	2.32	4.61	0.648	0.521	1.20	0.417	0.750B	0.580B	29
30	0 B		1.70 B	2.26	2.47	7.38	0.657	0.477	1.23	0.463	0.752B	0.590B	30
31	0 B		1.41 B		2.65		0.561	0.351		0.498		0.603B	31
TOTAL	0.736	4.665	18.572	87.805	47.140	139.34	65.185	10.444	11.426	15.385	20.710	16.269	TOTAL
MEAN	0.024	0.167	0.599	2.93	1.52	4.64	2.10	0.337	0.381	0.496	0.690	0.525	MEAN
MAX	0.056	0.390	1.70	6.94	2.65	7.92	7.15	0.545	1.33	1.03	1.26	0.742	MAX
MIN	0	0	0.365	0.648	0.865	2.32	0.561	0.142	0.160	0.315	0.429	0.290	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 7.92 ON JUN 7
MINIMUM DAILY, 0B ON JAN 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 01 05 N
LONG 113 42 50 W
DRAINAGE AREA, 1 160 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	63.6	JUL	5 630
FEB	403	AUG	902
MAR	1 600	SEP	987
APR	7 590	OCT	1 330
MAY	4 070	NOV	1 790
JUN	12 000	DEC	1 410

TOTAL DISCHARGE, 37 800 dam³

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.365B	1.65 B	2.96	2.57	10.1	0.248	0.347	1.39	0.553A	---	1
2	---	---	0.335B	1.45 B	2.68	2.38	8.06	0.230	0.317	1.29	---	---	2
3	---	---	0.330B	1.38 B	2.50	2.24	6.26	0.225E	0.274	0.989	---	---	3
4	---	---	0.330B	1.30 B	2.34	2.02	5.21	0.220E	0.252	0.918	---	---	4
5	---	---	0.340B	1.25 B	2.17	2.64	4.60	0.218E	0.237	0.795	---	---	5
6	---	---	0.375B	1.20 B	1.89	5.45	4.20	0.218E	0.221	0.671	---	---	6
7	---	---	0.425B	1.15 B	1.66	10.9	4.02	0.225E	0.210	0.587	---	---	7
8	---	---	0.580B	0.910B	1.61	9.80	3.72	0.250E	0.244	0.587	---	---	8
9	---	---	0.590B	0.990B	1.61	8.09	3.43	0.339	0.243	0.449	---	---	9
10	---	---	0.730B	1.25 B	1.55	5.87	3.06	0.440	0.229	0.429	---	---	10
11	---	---	0.840B	1.60 B	1.42	5.32	2.76	0.407	0.215E	0.417	---	---	11
12	---	---	0.870B	4.20 B	1.33	5.99	2.57	0.346	0.200E	0.383	---	---	12
13	---	---	0.870B	8.38 B	1.21	7.11	2.25	0.303	0.170E	0.383	---	---	13
14	---	---	0.860B	8.77 B	1.28	6.91	2.36	0.265	0.160E	0.396	---	---	14
15	---	---	0.831B	9.15 B	1.22	6.51	2.83	0.244	0.213A	0.386	---	---	15
16	---	0 B	0.833B	8.75 B	1.11	6.11	2.69	0.229	0.220E	0.428	---	---	16
17	---	0.030B	0.835B	7.00 B	1.15	5.94	2.24	0.195E	0.224A	0.447	---	---	17
18	---	0.200B	0.880B	6.04	1.24	5.60	2.14	0.180E	0.306	0.484	---	---	18
19	---	0.250B	0.790B	4.40	1.45	4.77	1.88	0.150E	0.306	0.492	---	---	19
20	---	0.380B	0.805B	3.91	1.39	4.36	1.63	0.140E	0.312	0.516	---	---	20
21	---	0.420B	0.850B	3.74	1.48	4.04	1.37	0.130E	0.309	0.415	---	---	21
22	---	0.420B	0.867B	3.73	1.33	3.74	1.06	0.130E	0.299	0.421	---	---	22
23	---	0.415B	0.838B	5.62	1.08	3.82	0.818	0.132A	0.283	0.507	---	---	23
24	---	0.410B	0.809B	6.48	1.04	4.12	0.628	0.140E	0.255E	0.588	---	---	24
25	---	0.390B	0.890B	5.61	1.13	4.18	0.547	0.165E	0.210E	0.502	---	---	25
26	---	0.375B	1.00 B	3.89	1.26	4.00	0.781	0.195E	0.243A	0.507	---	---	26
27	---	0.365B	1.15 B	3.31	1.44	3.86	0.733	0.210E	0.423	0.478	---	---	27
28	---	0.360B	1.50 B	3.39	2.12	4.11	0.542	0.335A	0.610	0.456	---	---	28
29	---		2.02 B	3.51	2.97	5.25	0.396	0.459	1.27	0.501	---	---	29
30	---		2.10 B	3.38	2.63	6.57	0.333	0.461	1.41	0.465	---	---	30
31	---		1.80 B		2.59		0.290	0.427		0.444		---	31
TOTAL	---	---	26.478	117.390	52.76	154.37	83.588	7.856	10.252	17.471	---	---	TOTAL
MEAN	---	---	0.854	3.91	1.70	5.14	2.70	0.253	0.342	0.564	---	---	MEAN
MAX	---	---	2.10	9.15	2.97	10.9	10.1	0.461	1.41	1.39	---	---	MAX
MIN	---	---	0.330	0.910	1.04	2.02	0.290	0.130	0.160	0.383	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.93
MAXIMUM DAILY, 10.9 ON JUN 7
MINIMUM DAILY, 0.130E ON AUG 21
MAXIMUM INSTANTANEOUS,
11.7 AT 08:30 MST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 40 N
LONG 113 31 30 W
DRAINAGE AREA, 2 290 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 220
FEB	---	AUG	679
MAR	2 290	SEP	886
APR	10 100	OCT	1 510
MAY	6 560	NOV	---
JUN	13 300	DEC	---

TOTAL DISCHARGE, 48 500 dam³

WINAGAMI LAKE AT SPILLWAY GATES - STATION NO. 07EF006

DAILY WATER LEVEL IN METRES FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	621.588	621.556	---	---	---	1
2	---	---	---	---	---	621.762	---	621.598	621.561	---	---	---	2
3	---	---	621.731	---	621.762	---	---	621.623	---	---	---	---	3
4	---	---	---	---	---	---	---	621.638	---	621.510	---	---	4
5	---	---	---	---	---	621.732	621.618	621.633	---	---	---	---	5
6	---	---	---	---	---	621.712	621.615	621.628	621.546	---	---	---	6
7	---	---	---	---	---	---	---	---	621.554	---	---	---	7
8	---	---	---	---	---	621.702	---	621.628	621.551	621.509	---	---	8
9	---	---	---	---	---	621.702	621.615	---	621.551	---	---	---	9
10	---	---	---	---	621.774	---	---	---	621.556	---	---	---	10
11	---	---	---	---	621.774	621.692	621.600	621.608	621.556	---	---	---	11
12	---	---	---	---	---	---	---	621.598	621.551	621.494	---	---	12
13	---	---	---	---	---	621.681	---	621.598	---	---	---	---	13
14	---	---	---	---	621.766	---	621.580	---	621.536	621.504	---	---	14
15	---	---	---	---	---	---	621.569	621.598	621.536	---	---	---	15
16	---	---	---	---	621.763	---	621.574	621.587	621.536	621.504	---	---	16
17	---	---	---	---	---	621.671	---	621.587	---	621.504	---	---	17
18	---	---	---	---	---	---	---	621.587	621.535	621.499	---	---	18
19	---	---	---	621.738	---	621.661	621.559	621.587	621.530	---	---	---	19
20	---	---	---	---	---	621.661	---	621.587	---	---	---	---	20
21	---	---	---	621.740	621.773	---	621.559	---	---	---	---	---	21
22	---	---	---	---	---	621.661	---	621.587	---	---	---	---	22
23	---	---	---	---	621.763	621.651	---	621.577	---	621.488	---	---	23
24	---	---	---	621.742	621.763	621.651	621.584	---	---	621.488	---	---	24
25	---	---	---	---	---	---	---	621.577	621.525	---	---	---	25
26	---	---	621.729	621.756	621.773	621.631	621.569	621.567	621.525	621.488	---	---	26
27	---	---	---	621.764	---	621.621	---	---	---	621.497	---	---	27
28	---	---	---	---	---	621.621	621.559	---	---	---	---	---	28
29	---		---	621.764	---	---	---	621.567	---	---	---	---	29
30	---		---	621.770	621.762	621.600	---	---	---	621.483	---	---	30
31	---		---		621.734		621.553	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 36 00 N
LONG 116 34 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WOLF CREEK AT HIGHWAY NO. 16 - STATION NO. 07AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.090B	0.230B	0.390B	0.260B	14.8 B	3.89	6.54	6.33	5.42	6.26	3.09	0.790B	1
2	0.085B	0.235B	0.380B	0.260B	14.6 B	3.04	12.6	6.71	4.77	6.02	3.07	0.750B	2
3	0.080B	0.240B	0.370B	0.260B	14.6	3.06	20.5	6.82	4.61	5.33	1.56 B	0.700B	3
4	0.080B	0.245B	0.360B	0.260B	14.9	2.87	66.9	10.6	3.89	6.02	1.50 B	0.670B	4
5	0.085B	0.250B	0.350B	0.270B	18.0	2.87	182	9.02	8.52	7.10	1.45 B	0.640B	5
6	0.090B	0.255B	0.330B	0.280B	11.2	10.4	164	7.93	10.9	6.54	1.43 B	0.620B	6
7	0.100B	0.260B	0.325B	0.290B	10.4	15.4	101	6.51	10.1	6.21	1.40 B	0.600B	7
8	0.110B	0.270B	0.320B	0.310B	9.05	13.5	95.1	5.39	7.71	5.30	1.38 B	0.590B	8
9	0.125B	0.270B	0.320B	0.330B	7.90	13.1	66.1	5.06	6.28	4.93	1.35 B	0.580B	9
10	0.140B	0.280B	0.320B	0.350B	7.85	12.9	47.6	5.39	5.63	4.19	1.32 B	0.600B	10
11	0.170B	0.290B	0.320B	0.370B	7.99	12.1	40.8	3.56	5.21	3.86	1.30 B	0.610B	11
12	0.200B	0.300B	0.320B	0.400B	7.32	10.4	31.3	4.51	4.82	3.56	1.26 B	0.620B	12
13	0.215B	0.310B	0.320B	0.430B	7.07	7.96	31.0	4.32	4.14	3.26	1.22 B	0.630B	13
14	0.240B	0.340B	0.320B	0.480B	7.18	4.91	60.0	3.65	3.88	3.26	1.19 B	0.620B	14
15	0.250B	0.370B	0.320B	0.440B	7.24	4.63	60.3	3.23	3.82	5.16	1.12 B	0.590B	15
16	0.240B	0.390B	0.320B	0.600B	8.63	4.02	32.4	3.37	4.23	3.06	1.02 B	0.560B	16
17	0.230B	0.400B	0.320B	0.480B	8.77	3.75	35.6	3.91	4.15	1.68	0.980B	0.530B	17
18	0.215B	0.410B	0.320B	0.500B	8.91	3.34	27.1	4.36	4.10	2.58	0.950B	0.510B	18
19	0.205B	0.415B	0.320B	0.530B	9.80	3.04	21.6	4.47	3.62	2.38	0.900B	0.480B	19
20	0.205B	0.420B	0.320B	0.580B	9.83	3.04	24.3	4.47	3.12	2.27	0.840B	0.470B	20
21	0.205B	0.420B	0.320B	0.630B	8.84	3.06	26.5	4.36	3.30	2.10	0.800B	0.470B	21
22	0.205B	0.420B	0.320B	0.901B	7.65	2.95	21.4	4.10	2.54	1.77	0.760B	0.470B	22
23	0.205B	0.420B	0.320B	1.63 B	7.15	2.87	18.2	3.56	2.30	2.91	0.730B	0.480B	23
24	0.210B	0.418B	0.321B	2.38 B	6.85	2.80	15.2	3.81	2.26	2.91	0.730B	0.500B	24
25	0.220B	0.415B	0.310B	5.19 B	6.21	2.69	13.8	3.82	2.24	2.95	0.780B	0.530B	25
26	0.220B	0.400B	0.310B	5.70 B	5.86	2.67	12.8	5.23	2.51	2.69	0.820B	0.560B	26
27	0.225B	0.400B	0.300B	7.40 B	4.91	2.80	10.8	4.72	3.17	3.10	0.860B	0.580B	27
28	0.225B	0.395B	0.290B	13.1 B	4.91	7.71	9.30	4.49	3.89	3.60	0.850B	0.600B	28
29	0.225B		0.280B	13.6 B	4.91	7.04	8.10	3.86	5.21	3.07	0.840B	0.600B	29
30	0.225B		0.270B	13.4 B	4.44	6.82	6.65	4.75	6.00	3.07	0.820B	0.600B	30
31	0.225B		0.265B		4.30		6.05	6.05		2.98		0.600B	31
TOTAL	5.545	9.468	9.971	71.611	271.27	179.43	1 274.64	151.56	142.32	120.12	36.320	18.150	TOTAL
MEAN	0.179	0.338	0.322	2.39	8.75	5.98	41.1	4.89	4.74	3.87	1.21	0.585	MEAN
MAX	0.250	0.420	0.390	13.6	18.0	15.4	182	10.6	10.9	7.10	3.09	0.790	MAX
MIN	0.080	0.230	0.265	0.260	4.30	2.67	6.05	3.01	2.24	1.68	0.730	0.470	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.28
MAXIMUM DAILY, 182 ON JUL 5
MINIMUM DAILY, 0.0800 ON JAN 3

SUMMARY FOR THE YEAR 1982

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 35 55 N
LONG 116 16 15 W
DRAINAGE AREA, 839 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	479	JUL	110 000
FEB	818	AUG	13 100
MAR	861	SEP	12 300
APR	6 190	OCT	10 400
MAY	23 400	NOV	3 140
JUN	15 500	DEC	1 570

TOTAL DISCHARGE, 198 000 dam³

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.320B	0.752	0.202	0.310	0.360	0.215	0.144	0.028B	1
2	0B	0B	0B	0 B	0.376	0.758	0.212	0.338	0.359	0.215	0.146	0.026B	2
3	0B	0B	0B	0 B	0.383	0.658	0.253	0.392	0.358	0.207	0.131	0.025B	3
4	0B	0B	0B	0 B	0.404	0.622	0.296	0.437	0.360	0.206	0.128	0.025B	4
5	0B	0B	0B	0 B	0.405	0.649	0.343	0.454	0.352	0.201	0.129	0.025B	5
6	0B	0B	0B	0 B	0.441	0.616	0.402	0.449	0.344	0.204	0.128	0.025B	6
7	0B	0B	0B	0 B	0.487	0.638	0.409	0.449	0.327	0.207	0.125	0.025B	7
8	0B	0B	0B	0 B	0.507	0.593	0.414	0.488	0.327	0.205	0.122B	0.025B	8
9	0B	0B	0B	0 B	0.520	0.544	0.410	0.504	0.331	0.184	0.117B	0.025B	9
10	0B	0B	0B	0 B	0.520	0.512	0.391	0.486	0.348	0.173	0.112B	0.025B	10
11	0B	0B	0B	0 B	0.552	0.498	0.377	0.414	0.341	0.173	0.107B	0.025B	11
12	0B	0B	0B	0 B	0.562	0.469	0.374	0.401	0.323	0.173	0.101B	0.025B	12
13	0B	0B	0B	0 B	0.574	0.482	0.361	0.404	0.318	0.172	0.095B	0.025B	13
14	0B	0B	0B	0 B	0.614	0.486	0.385	0.385	0.314	0.165	0.090B	0.025B	14
15	0B	0B	0B	0.001B	0.590	0.449	0.384	0.377	0.308	0.170	0.081B	0.025B	15
16	0B	0B	0B	0.002B	0.536	0.429	0.368	0.376	0.317	0.165	0.076B	0.025B	16
17	0B	0B	0B	0.003B	0.536	0.415	0.399	0.370	0.317	0.155	0.072B	0.025B	17
18	0B	0B	0B	0.004B	0.561	0.380	0.387	0.352	0.309	0.170	0.066B	0.025B	18
19	0B	0B	0B	0.005B	0.559	0.373	0.348	0.342	0.316	0.177	0.060B	0.025B	19
20	0B	0B	0B	0.006B	0.654	0.361	0.328	0.339	0.313	0.169	0.056B	0.025B	20
21	0B	0B	0B	0.008B	0.657	0.336	0.340	0.327	0.304	0.163	0.052B	0.025B	21
22	0B	0B	0B	0.012B	0.684	0.295	0.335	0.320	0.279	0.161	0.047B	0.025B	22
23	0B	0B	0B	0.028B	0.826	0.278	0.323	0.314	0.271	0.162	0.043B	0.025B	23
24	0B	0B	0B	0.050B	0.894	0.266	0.320	0.314	0.270	0.156	0.040B	0.025B	24
25	0B	0B	0B	0.085B	0.859	0.259	0.322	0.290	0.257	0.156	0.038B	0.025B	25
26	0B	0B	0B	0.110B	0.866	0.265	0.319	0.269	0.251	0.160	0.036B	0.026B	26
27	0B	0B	0B	0.160B	0.870	0.254	0.319	0.277	0.250	0.153	0.034B	0.026B	27
28	0B	0B	0B	0.210B	0.812	0.239	0.313	0.251	0.261	0.150	0.033B	0.027B	28
29	0B		0B	0.240B	0.789	0.229	0.317	0.250	0.228	0.155	0.032B	0.027B	29
30	0B		0B	0.280B	0.750	0.228	0.303	0.344	0.200	0.150	0.030B	0.028B	30
31	0B		0B		0.739		0.305	0.369		0.150		0.029B	31
TOTAL	0	0	0	1.204	18.827	13.333	10.559	11.392	9.211	5.422	2.475	0.792	TOTAL
MEAN	0	0	0	0.040	0.607	0.444	0.341	0.367	0.307	0.175	0.083	0.026	MEAN
MAX	0	0	0	0.280	0.894	0.758	0.414	0.504	0.360	0.215	0.146	0.029	MAX
MIN	0	0	0	0	0.320	0.228	0.202	0.250	0.200	0.150	0.030	0.025	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.201
MAXIMUM DAILY, 0.894 ON MAY 24
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.961 AT 18:42 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 47 N
LONG 111 00 15 W
DRAINAGE AREA, 725 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	913
FEB	0	AUG	984
MAR	0	SEP	796
APR	104	OCT	468
MAY	1 630	NOV	214
JUN	1 150	DEC	68.4

TOTAL DISCHARGE, 6 330 dam³

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GP003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.053	0.017	0	0.012	0.009	0.003	0.002B	---	1
2	---	---	---	---	0.035	0.017	0.001	0.047	0.009	0.004	---	---	2
3	---	---	---	---	0.030	0.015	0.004	0.086	0.008	0.003	---	---	3
4	---	---	---	---	0.022	0.013	0.005	0.088	0.008	0.002	---	---	4
5	---	---	---	---	0.030	0.015	0.006	0.083	0.009	0.002	---	---	5
6	---	---	---	---	0.034	0.012	0.004	0.073	0.007	0.002	---	---	6
7	---	---	---	---	0.027	0.011	0.003	0.053	0.008	0.003	---	---	7
8	---	---	---	---	0.019	0.009	0.004	0.038	0.008	0.002	0.002B	---	8
9	---	---	---	---	0.012	0.008	0.003	0.034	0.009	0.002	---	---	9
10	---	---	---	---	0.063	0.007	0.003	0.030	0.008	0.001	---	---	10
11	---	---	---	---	0.020	0.007	0.002	0.024	0.007	0.001	---	---	11
12	---	---	---	---	0.027	0.007	0.002	0.019	0.011	0.001	---	---	12
13	---	---	---	0.001B	0.025	0.007	0.002	0.016	0.005	0.001	---	---	13
14	---	---	---	---	0.017	0.006	0.008	0.015	0.005	0.001	---	---	14
15	---	---	---	---	0.021	0.006	0.072	0.021	0.006	0.001	---	---	15
16	---	---	---	0.001B	0.024	0.005	0.035	0.020	0.006	0.001	---	---	16
17	---	---	---	0.002B	0.091	0.004	0.025	0.014	0.005	0.002	---	---	17
18	---	---	---	0.002B	0.010	0.004	0.022	0.014	0.015	0.002B	---	---	18
19	---	---	---	0.002B	0.008	0.004	0.020	0.014	0.004	0.002B	---	---	19
20	---	---	---	0.005B	0.007	0.003	0.017	0.014	0.002	0.002B	---	---	20
21	---	---	---	0.023B	0.015	0.002	0.022	0.014	0.004	0.002B	---	---	21
22	---	---	---	0.038B	0.022	0.002	0.020	0.013	0.005	0.002B	---	---	22
23	---	---	---	0.027B	0.017	0.002	0.016	0.011	0.004	0.002B	---	---	23
24	---	---	0B	0.025B	0.021	0.002	0.017	0.013	0.004	0.002B	---	---	24
25	---	---	---	0.038B	0.023	0.001	0.014	0.015	0.004	0.002B	---	---	25
26	---	---	---	0.057B	0.023	0.001	0.012	0.011	0.004	0.002B	---	---	26
27	---	---	---	0.053B	0.026	0.001	0.012	0.013	0.003	0.002B	---	---	27
28	---	---	---	0.038B	0.021	0.001	0.011	0.010	0.004	0.002B	---	---	28
29	---		---	0.031B	0.022	0.001	0.011	0.011	0.004	0.002B	---	---	29
30	---		---	0.067B	0.021	0.001	0.009	0.011	0.004	0.002B	---	---	30
31	---		---		0.019		0.009	0.010		0.002B		---	31
TOTAL	---	---	---	---	0.803	0.191	0.391	0.847	0.189	0.060	---	---	TOTAL
MEAN	---	---	---	---	0.026	0.006	0.013	0.027	0.006	0.002	---	---	MEAN
MAX	---	---	---	---	0.091	0.017	0.072	0.088	0.015	0.004	---	---	MAX
MIN	---	---	---	---	0.007	0.001	0	0.010	0.002	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.091 ON MAY 17
MINIMUM DAILY, 0B ON MAR 24
MAXIMUM INSTANTANEOUS,
0.344 AT 16:32 MST ON MAY 17

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 17 N
LONG 117 48 32 W
DRAINAGE AREA, 9.84 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.8
FEB	---	AUG	73.2
MAR	---	SEP	16.3
APR	---	OCT	5.18
MAY	69.4	NOV	---
JUN	16.5	DEC	---

NAME	STATION NO.	PAGE
ADAMS CREEK NEAR KINUSO	07BJ004	1
ALKALI CREEK NEAR THE MOUTH	05CK005	1
AMISK CREEK NEAR SHOUTS	05EB016	2
AMISK RIVER AT HIGHWAY NO. 36	06AA002	2
ANTELOPE COULEE SPILLWAY	05BM010	3
ATHABASCA RIVER ABOVE JACKFISH CREEK	07DD007	3
ATHABASCA RIVER AT ATHABASCA	07BE001	4
ATHABASCA RIVER AT EMBARRAS AIRPORT	07DD001	4
ATHABASCA RIVER AT HINTON	07AD002	5
ATHABASCA RIVER BELOW MCMURRAY	07DA001	5
ATHABASCA RIVER NEAR JASPER	07AA002	6
ATHABASCA RIVER NEAR OLD FORT	07DD011	6
ATHABASCA RIVER NEAR WINDFALL	07AE001	7
ATIN CREEK NEAR SPRUCE GROVE	05EA009	7
ATIMOSWE CREEK NEAR ELK POINT	05ED002	8
BABETTE CREEK NEAR COLINTON	07CA008	8
BAPTISTE LAKE NEAR ATHABASCA	07BE002	9
BARE CREEK RESERVOIR NEAR ELKWATER	11AB094	9
BARRIER LAKE NEAR SEEBE	05BF024	10
BATTERSEA DRAIN NEAR THE MOUTH	05AD038	10
BATTLE RIVER NEAR FORESTBURG	05PC001	11
BATTLE RIVER NEAR POHOKA	05PA001	11
BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY	05PE004	12
BEAR CREEK NEAR INTERNATIONAL BOUNDARY	11AA028	12
BEAR LAKE NEAR CLAIRMONT	07GE004	13
BEARBERRY CREEK NEAR SUNDRE	05CA011	13
BEAVER CREEK NEAR BROCKET	05AB013	14
BEAVER LAKE AT RANGER STATION	06AA003	14
BEAVER RIVER ABOVE SYNCRUDE	07DA018	15
BEAVER RIVER AT COLD LAKE RESERVE	06AD006	15
BEAVER RIVER NEAR GOODRIDGE	06AA001	16
BEAVERDAM CREEK NEAR COCHRANE	05CB005	16
BEAVERHILL CREEK NEAR THE MOUTH	05EB015	17
BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	17
BELLY - ST. MARY DIVERSION CANAL	05AD021	18
BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	18
BELLY RIVER NEAR STAND OFF	05AD002	19
BENCH MARK CREEK NEAR FORT SMITH	07MB006	19
BERRY CREEK NEAR POLLOCKVILLE	05CH010	20
BERRY CREEK NEAR ROSE LYNN	05CH008	20
BERRY CREEK NEAR THE MOUTH	05CH007	21
BIGELOW RESERVOIR NEAR WINBORNE	05CE901	21
BIGKNIFE CREEK NEAR GADSBY	05PC002	22
BIRCH RIVER BELOW ALICE CREEK	07KE001	22
BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY	05PE005	23
BLACKMUD CREEK NEAR ELLERSLIE	05DF003	23
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	24
BLINDMAN RIVER NEAR BLUFFTON	05CC008	24
BLOOD INDIAN CREEK NEAR THE MOUTH	05CK001	25
BOUNTIFUL COULEE INFLOW NEAR CRANFORD	05AG026	25
BOUNTIFUL COULEE NEAR CRANFORD	05AG008	26
BOW RIVER AT BANFF	05BB001	26
BOW RIVER AT CALGARY	05BH004	27
BOW RIVER AT CANMORE	05BE008	27
BOW RIVER AT LAKE LOUISE	05BA001	28
BOW RIVER BELOW BASSANO DAM	05BN004	28
BOW RIVER BELOW CARSELAND DAM	05BN002	29
BOW RIVER BELOW GHOST DAM	05BE006	29
BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS	05AG004	30
BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL	05BN008	30
BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL	05BN023	31
BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL	05BN009	31
BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS	05AG005	32
BOW RIVER DEVELOPMENT MAIN CANAL	05AC004	32
BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3	05AC902	33
BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE	05AC013	33
BOW RIVER NEAR SEEBE	05BE004	34
BOW RIVER NEAR THE MOUTH	05BM012	34
BOYER RIVER NEAR FORT VERMILION	07JF002	35
BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	35
BRAZEAU RESERVOIR	05DD006	36
BRAZEAU RIVER BELOW BRAZEAU PLANT	05DD005	36
BRAZEAU RIVER BELOW CARDINAL RIVER	05DD007	37
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